Fite

The

CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

NOVEMBER 7 1964



but **you** know

FIRST-STEP

Haliborange

essential vitamins are not forgotten.

Containing vitamins A, D & C is a vital food supplement for every baby

— and only you can sell it

MANUFACTURED IN ENGLAND BY ALLEN & HANBURYS LTD





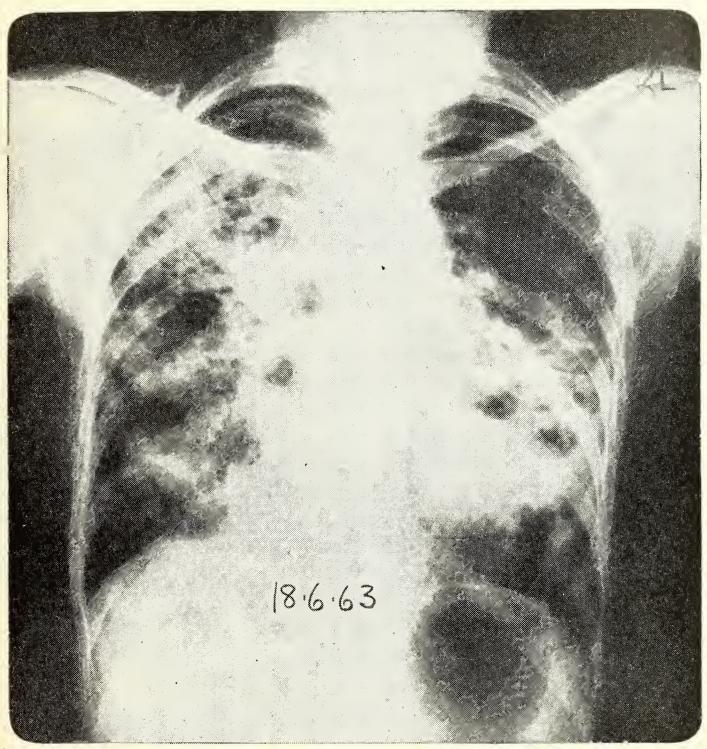
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TINC ONIDE PLASTER

SURGICAL ADRESIVE PLASTER OF THE HIGHEST QUALITY

SUPPLIES PROMITIOUR USUM, WHOSES ALER I

WANDER FOR CHOICE IN TUBERCULOSIS THERAPY



Six of one ...

PASINAH-302

Six cachets of Pasinah-302 provide a total daily dosage of 12 G. Sodium PAS and 300 mg. Isoniazid B.P.

half-a-dozen of the other

PASINAH-6PH

Six cachets of Pasinah-6PH provide a total daily dosage of 10 G. Sodium PAS and 200 mg. Isoniazid B.P.

...or two quick drinks

PASINAH-D

The first PAS preparation in which the taste of Sodium PAS is successfully disguised when in solution. In lime or raspberry flavours. The contents of two packets provide a total daily dosage of 12 G. Sodium PAS and 300 mg. Isoniazid B.P.

T92

Hospital or trade terms gladly sent on request. A. Wander Limited, 42 Upper Grosvenor Street, London W.I.

Stock these ADVERTISED LINES for regular sales and profits

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PILLS

The modern analysis treatment for the relief of backache and rheumatism.

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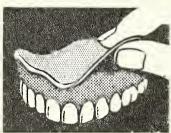
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The manicure pens that make nail care easy. Cutipen cuticle remover

Nutrinail for brittle nails 4/3 retail.

SNUG DENTURE CUSHIONS



Bring long-lasting relief and comfort to denture sufferers.

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per packet of two cushions.
(exempt from P. Tax).

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The famous iron and vitamin tonic—contains Ferrous Sulphate, Vitamin B₁, Caffeine and trace minerals.

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(exempt from P. Tax).



NEW PACKS-NEW PRICES for DOAN'S OINTMENT and BILAX

Bright, modern and attractive packs

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ANTISEPTIC · SOOTHING · HEALING



Tube pack, one size only (Tins discontinued)
Trade price 18/- per dozen (P. Tax 4/6)

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THE IDEAL FAMILY LAXATIVE



New design pack, one size only. Trade price 14/4 per dozen (P. Tax 3/7)
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Order now from your wholesalers or direct from:

G. T. FULFORD Co. (U.K.) LTD.

Cornwall Road, Hatch End, Pinner, Middx. Tel: HATch End 1055

Now Star Spray makes an exciting present as well as a handsome profit







Retail Price, only 13/6 Packed in half dozens Watch present-shoppers go for Bristow's Star Spray—in this wonderfully attractive pottery gift jar. It's perfect for dressing table use. Gay. Good-looking. Has a gold-rimmed cap and practical, non-scratch base. Best of all it contains an 8/- acrosol of top-selling Bristow's Star Spray. Use the compelling counter display shown left and make *extra* profits. Extra? Yes, there are special terms for this Star Spray Christmas pack.

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BRANDS



BEECHAM TOILETRY DIVISION BLECHAM HOUSE - BRENTFORD MIDDLESEX

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VITAMIN & MINERAL **CAPSULES**

14 FOR PRICE OF 12 75% PROFIT!!

RETAIL VALUE 122/6d. YOUR COST 70/- ONLY CARTER BROS. - GLEN LABORATORIES - SHIPLEY (Yks)

Sold for over 150 years

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The famous Calabrian (Italian) brand Licorice

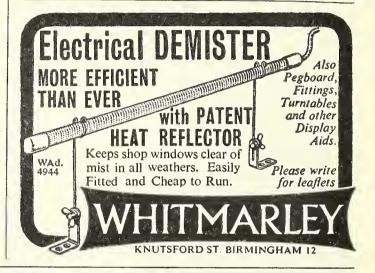
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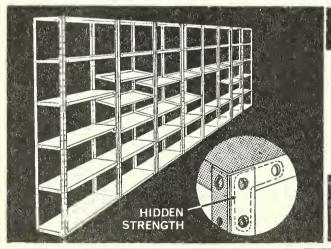
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SUPER WHITE FINISH ON QUALITY TESTED STEEL

Available IMMEDIATE Delivery 6 ft., 7 ft., high, Examples:

Height Width Depth No, of Shelves Price
71 in. 34 in. 12 in. 6 90/85 in. 34 in. 12 in. 6 102/85 in. 42 in. 12 in. 6 129/--Price of Extra Shelves 12/- each 12/- each

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Speedy service and delivery for special sizes made to order.

* Each shelf will hold over 3 cwt. * Shelves adjustable every 2 in.
C.W.O. or C.O.D. Free Delivery. N. Scotland, N. Ireland, I.O.M. 10% extra.
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MARK VERLOG SURGICAL SURGICAL MARK

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39 TUBES FOR THE PRICE OF 36 — ONLY 73/2d. — OVER 73% PROFIT —

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Patent Infringement Action NITROFURANTOIN

A Writ has been issued by

Smith Kline & French Laboratories Limited

for infringement of Patent No. 797961 against

BIOREX LABORATORIES LIMITED

I.C.C. PRICE CHANGES

EFFECTIVE NOVEMBER 1st

KOLYNOS DENTURE FIXATIVE

Medium Size

New Retail Price: 2/-

Trade Price per dozen: 18/- tax free

REUDEL BATH SALTS

New Retail Price: 2/3

Trade Price per dozen: 17/- p.tax 4/3

INTERNATIONAL CHEMICAL COMPANY LTD. 12, CHENIES STREET, LONDON, W.1.

WARREN, STANLEY & CO. LTD.

are pleased to be associated with

PATON'S NAIL HARDENER

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Paton's Nail Hardener is the most successful product for ensuring strong healthy nails and eliminating splitting and breaking.

TO ENSURE LARGE SALES

National advertising in the Daily Mirror, etc., Radio Caroline and women's magazines. Counter Unit Display of 6 Bottles.

PROFIT FOR YOU

SPECIAL BONUS OFFER OF 13 TO THE DOZEN.

Retail price 7/- per bottle. A proved profit maker for chemists; simply display a counter unit for prompt and regular sales. Order your stocks now and gain the benefit of the bonus offer from:—

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Prescriptions are

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Address_

C&D 7/11

WHY WAIT ACT NOW!

Let Salesmaster transform your shop.

No selling time lost.

Refitting completed in just a few hours after closing time.



FIRST AID OUTFITS for OFFICES, SHOPS and RAILWAY PREMISES ORDER.

FIRST AID ORDER 1964, S.I. No. 970.

The above order is effective from 1st December, 1964, from which date the premises concerned must provide a First Aid box or cupboard for the use of employees in accordance with the schedule below:

Outfit to be provided where number employed at any one time is:		
1 to 10	11 to 50	51 to 150
One No. A12	One No. A13 or A14	One No. A15 or A16
One No. A13 or A14	One No. A15 or A16	One No. A17
One No. A13 or A14	One No. A13 or A14	One No. A15 or A16
	One No. A12 One No. A13 or A14 One No. A13	employed at any one 1 to 10 11 to 50 One No. A13 No. A12 One No. A13 One No. A15 Or A16 One One No. A13 No. A13 One One No. A13 No. A13

Where the number of persons employed to work at any one time exceeds 150, further First Aid Outfits must be provided in accordance with the above scale.

DESCRIPTION AND PRICES

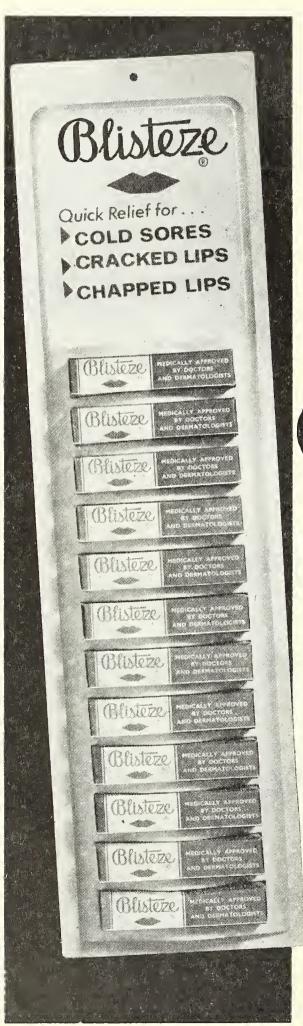
The outfits supplied are strictly in accordance with the statutory requirements.

			Trade Price	Suggested Retail Price
No.	A12.	Contents No. 1 in an enamelled metal box with a hinged lid, size $8\frac{5}{8}$ " x $5\frac{1}{2}$ " x 2" deep	9/8	13/6 each
No.	A13.	Contents No. 2 in an enamelled metal box with a hinged lid, size $8\frac{1}{2}$ " x $5\frac{1}{2}$ " x $3\frac{1}{2}$ " deep	23/-	32/- each
No.	A14.*	Contents No. 2 in a strong wooden case, size $12'' \times 10\frac{3}{4}'' \times 2\frac{3}{4}''$, fitted with a fall front, spring catch and hanging plates	*40/-	50 /– each
No.	A15.	Contents No. 3 in a strong metal black japanned box, wall fixing, enamelled white inside, fall front, size $10'' \times 8\frac{3}{4}'' \times 5\frac{1}{2}'' \dots$	50/-	60 /– each
No.	A16.*	Contents No. 3 in a strong wooden case, size $13'' \times 11\frac{1}{4}'' \times 3\frac{3}{4}''$, fitted with a fall front, spring catches and hanging plates	*59/-	69 /– each
No.	A17.*	Contents No. 4 in a strong wooden case, size $16\frac{1}{4}$ " x $12\frac{1}{4}$ " x 5", fitted with a fall front, spring catches and hanging plates	*85/-	95 /– each
		WD 1 77 11 1 1 1 1 1 1		

*Purchase Tax will be charged if applicable.

Minimum Order: £5 (all goods) Carriage Paid: £7 (all goods)

CUXSON, GERRARD & CO. LTD. OLDBURY · BIRMINGHAM (BROadwell 1355)



HERE'S A NEW NAME THAT WILL SOON BE ON EVERYONE'S LIPS!

Winter spells misery for thousands of cold sore sufferers. That's why everyone with smarting, chapped or cracked lips will welcome the arrival of Blisteze—the new, medicated lip salve in the handy tube with its special on-the-spot applicator.

INTRODUCTORY BONUS 12 for 11

(ends December 31, 1964)

You pay 17/3 · You sell at 28/3 · Your profit 11/-(excluding P.T.)=64% on outlay. Retail 2/9 each. Normal List Price 18/10 per dozen.

Order now, direct or through your usual wholesaler and take advantage of the Blisteze national advertising:

DAILY MIRROR
DAILY EXPRESS
DAILY SKETCH
and the SUN

Blisteze

the new medicated lip salve manufactured and distributed by

DENDRON DISTRIBUTORS LTD. 94 Rickmansworth Rd. Watford, Herts

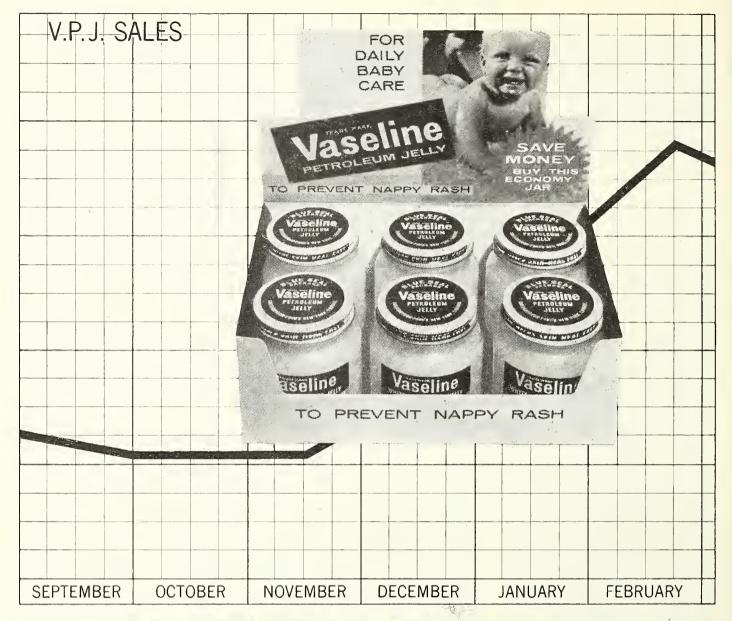


Please send me your Counterpoint brochure
Please arrange to send your representative
(lick as required)

Name
Address

Post to Counterpoint Store Equipment Ltd.,
Rochtord Road, Southend, Essez
or (for the North & Scotland) to:
James White (Shopfitters) Ltd., Team Valley
Trading Estate, Gateshead-on-Tyne 11.





SELL MORE VASELINE PETROLEUM JELLY WHEN IT COSTS YOU LESS!

Meet the winter sales peak with Bonus stock!

Buy now to take full advantage of:-

DISPLAY BONUS— BIGGER PROFITS

Reductions giving up to 33% profit on stock purchased by December 31st 1964.

TV AND PRESS ADVERTISING

There will be a heavy programme of 30 second TV Commercials and Press advertisements this autumn.

HALF-DOZEN DISPENSER

Counter display units are pre-packed, in 4 oz. and 8 oz. sizes.

MASSIVE SAMPLING

By the end of 1964 over 600,000 mothers with new babies will have received a sample of Vaseline Petroleum Jelly.

Vaseline*

= CHEMICALS LTD.

for

Formerly Wm. Butler & Go (Bristol) Ltd

* DISINFECTANTS

PINEOLITE STERILITE

Pine Disinfectant, Coeffs. R.W.3 to 6 and concentrates. White Disinfectant, BSS R.W. values and non-staining

CRESOLOX BRISTOL

Black Disinfectant, R.W. 5/6 and R.W. 26/28.

Hospital Disinfectant, R.W. 7/8.

* ANTISEPTICS

LYSOL B.P.

LIQUOR CHLOROXYLENOLIS B.P.C. -

* DETERGENTS AND LIQUID SOAPS

KLENZITE BRISTOL

Liquid Detergent. Liquid Soap, non-perfumed and perfumed.

HANKLENSA Antiseptic Jelly.

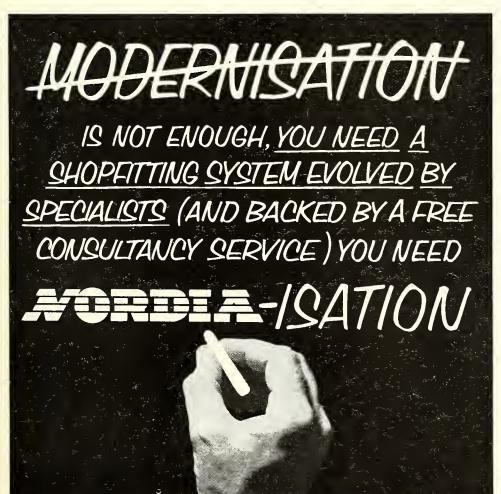
for all

PRODUCTS

Orders and enquiries to New Head Office and Works Address:

ROCKINGHAM WORKS, AVONMOUTH, BRISTOL

Telephone: AVONMOUTH 3611 Telegrams: Butler, Bristol And at BIRMINGHAM, LONDON, ABERDEEN



25, Wellington St, Leeds, or

94, Baker Street. London W.1.

I am interested in learning more about the Nordia System of Selling.

NAME.....

ADDRESS

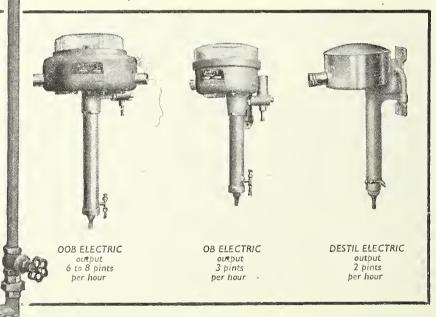
CD

STILL the best for pure

distilled water...

There is only one method of producing distilled water and that is by using a still. World famed for their design, careful construction and low cost of operation, Manesty Automatic Water Stills ensure a constant supply of fresh, pure, distilled water above the requirement of the British Pharmacopoeia. Twenty models are available for heating by gas, paraffin, electricity or steam, with hourly outputs from 2 pints to 50 gallons. Easy to install, automatic and continuous in operation, occupying no space (they are all wall-mounting). Manesty Stills are acknowledged the world over for maximum efficiency at minimum costs. The OB and OOB models are available with vitreous enamelled boiling chamber (inside and outside) condenser pipe, wall bracket and weir chamber. Other fittings chromium

4B STEAM HEATED AUTOMATIC WATER STILL (left) Output 50 gallons per hour. Supplied with wall bracket for easy mounting, stainless steel condensing tubes, stainless steel baffles, stainless steel nozzle, tinned copper dome and tinned iron lid. Can be supplied with stainless steel dome and lid if required.



MANESTY AUTOMATIC WATER STILLS

MANESTY MACHINES LIMITED, SPEKE, LIVERPOOL 24

VERFOLL

TABLET MACHINES : PUNCHES AND DIES : COATING PANS : GRANULATORS

5.30 Stainless Steel Output 3 or 8 pints per hour

MANEST

Telephone: Hunts Cross 1972

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THE CHEMIST AND DRUGGIST

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 182

November 7, 1964

No. 4421

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PUBLISHED BY

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GLASGOW: 160 Nether Auldhouse Road, S.3. Phone: Langside 2679, LEEDS, 16: 32 Wynford Rise, West Park, Phone: Leeds 67 8438.

ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £3 10s. Single copies 1s. 3d. each (postage 5d.).

NEW! Morphy-Richards Hair Salon Pack

In this elegant self-displaying outer - **£2 9s. 6d.**

(Retail Selling Price-incl. tax)



Specially designed to fit the Morphy-Richards Hair Dryer. With a double-skinned hood for faster drying. Leaves the hands free, Backed by the Morphy-Richards reputation for quality and efficiency.

Over three million ready customers

The new Hair Salon Pack makes a Morphy-Richards Hair Dryer work even faster. That's why the three million women who now own a Morphy-Richards Hair Dryer will also want a new Morphy-Richards Hair Salon Pack.

Extra Hair Dryer Sales too

Already, Morphy-Richards make over half the hair dryers sold in this country. Now, the exciting new Hair Salon Pack will help you sell even more Morphy-Richards Hair Dryers.



Stock up now for big pre-Christmas gift sales— Heavy Morphy-Richards Advertising in National Dailies, Women's Magazines & Radio Luxembourg running now!

MORPHY-RICHARDS

HAIR DRYERS

80-82 PALL MALL, LONDON, S.W.1



Volume 182

NOVEMBER 7, 1964

No. 4421

Rural Area Pharmacy

REGISTRATION A PRELIMINARY TO SUBSIDY

THE Central N.H.S. (Chemist Contractors) Committee has considered recommendations of the Rural Areas Pharmaceutical Committee and has decided to set up a Register of Rural Area Pharmacies.

That decision follows from the decision at the Conference of Pharmaceutical Committee Representatives (see C. & D., July 11, p. 40) when it was agreed that the Central N.H.S. Committee should seek to introduce a subsidy for businesses dispensing small numbers of N.H.S. prescriptions in rural areas. The Committee has decided that a rural area pharmacy should be defined as:—

"Any pharmacy (a) at which not more than 750 prescriptions a month (9,000 a year) are dispensed; and (b) which is in a rural area and not less than three miles from the nearest pharmacy "as the crow flies."

Contractors owning pharmacies that come within the definition have been asked to notify the Central N.H.S. (Chemist Contractors) Committee. The Committee realise that there are pharmacies falling outside one or other of the criteria in the definition which, because of special circumstances merit consideration for inclusion. Pharmacists who consider their pharmacies should be so considered are asked to notify the Central N.H.S. Committee. Local Pharmaceutical Committees are being asked to advise on such cases. Details of the way in which the subsidy scheme is to operate are to be announced later.

Nielsen Drug Index

RETAIL SALES CONTINUE UPWARDS

RETAIL pharmacists' total average weekly turnover during July-August was £6,418,000, an increase of 8.6 per cent, over the corresponding period of last year, according to the Retailer Report issued by A. C. Nielsen Co., Ltd. Receipts from the National Health Service contributed substantially to the increase because it was during that period that the back payment of increased dispensing fees began to appear. However, the report states that cash sales also rose by 7 per cent, over the same period last year, a contributory cause possibly being the exceptionally good weather. The average weekly cash sales in retail pharmacies were:—Multiples, £471; large independents, £367; medium independents, £204; small independents, £109. Compared

with the corresponding figures for 1963 the increased percentage changes were:—Multiples, 7 per cent.; all independents, 7 per cent. It was estimated that the multiple pharmacies obtained 38·1 per cent. of the total turnover during the period whilst the large, medium and small independents obtained 25·7, 19·9 and 16·3 per cent. respectively. The average weekly National Health Service payments per shop were:—Large independents, £210; multiples, £162; medium independents, £134; small independents, £80. During July independent pharmacies dispensed 67 per cent. of the National Health Service prescriptions (an average of 1,039 per shop per month), whilst the multiple pharmacies dispensed 33 per cent. (an average of 1,557 per shop per month). National Health Service payments amounted to 24·8 per cent. of the total turnover in multiple pharmacies and 36·5 per cent. in independents.

Photographic Industry

PRODUCTION UP 9 PER CENT. IN 1963

THE annual survey of the British Photographic Manufacturers' Association disclosed that the value of production by the photographic industry during 1963 reached nearly £57 millions which represents an increase of 9 per cent. on 1962, the largest growth figure

recorded by the industry since the surveys began in 1960. The overall increase is largely governed by the growth of silver sensitised materials, on which the industry is concentrated, but there was a sharp increase in production of still cameras, due entirely to export demand, which brought the value of production back to that reported in 1960. Imports have remained high in 1963, the value of sensitised materials imported rising to £6 millions, an increase of £1·1 million from the previous year. Imports of cameras and projectors rose to £9·5 millions, an increase of £2·7 millions over 1962. The result of the sharp increase in imports has been that the industry is no longer a net exporter of finished goods for those product categories separately identifiable in the import-export lists.

Distributive Trades

DEVELOPMENT COMMITTEE MEETS

THE Economic Development Committhe Distributive which met at the National Economic Development Office on October 30, discussed preliminary forecasts for manpower and investment requirements in the distributive trades up to 1970 on the basis of a report from its statistical subcommittee. The Committee felt that its work was seriously hindered by lack of a firm and complete background of official statistics and is pursuing the question with the appropriate authorities. A subcommittee was set up under the chairmanship of Mr. L. Cooke to study the position of stocks in distribution. A special committee was set up under the chairmanship of Mr. R. Banks Skinner to consider efficiency in wholesaling.



HANDING OVER
THE BADGE: The
new chairman of the
British Pharmaceutical
Conference (Mr. T. C.
Denston) receives his
badge of office from
the immediate past
chairman (Dr. William
Mitchell), Dr. Mitchell
holds a replica of the
badge, which was presented to him on the
same occasion at a
meeting of the Conference Executive at the
Pharmaceutical Society's
headquarters, London,
on October 29,

Mental Health

PATIENTS DISCHARGED MORE QUICKLY

THE number of patients admitted for the first time to mental illness hospitals increased from 38,689 in 1951 to 58,561 in 1960 or by about 50 per cent. Total admissions increased by 93 per cent. during the same period. On the other hand duration of stay in hospital was becoming shorter. That information is given in the Supplement on Mental Health to the Registrar General's Statistical Review of England and Wales for the year 1960 (H.M. Stationery Office, price 15s.). In 1951 half the discharges of male patients took place after a stay of less than nine and a half weeks; by 1960 that figure had decreased to just over six weeks. The corresponding decrease for female patients was from ten weeks to six and a half weeks. In 1959-60 it was found possible to discharge nearly 90 patients who had spent at least a quarter of a century continuously in hospital.

Chemical Output Rises

PHARMACEUTICALS UP 8 PER CENT.

PRODUCTION of pharmaceutical preparations in the first half of 1964 increased by 8 per cent. over the corresponding period in 1963. Although it must be recognised that production was affected by the severe weather at the beginning of 1963, the January-June (1964) rise over the immediate preceding six months was even greater (12 per cent.). The *Board of Trade Journal* for October 30, giving these facts, mentions that there were gains in all sectors of the chemical industry during the period (compared with July-December 1963), with the exception of toilet preparations which fell seasonally, as usual. The index of price movements shows general chemicals during the period at 100 (a rise of one since 1963) and pharmaceutical preparations at 99 (also a rise of one) based on the vear 1954=100.

Food Standards

ADVERTISING CLAIMS UNDER REVIEW

AS part of a review of the Labelling of Food Order, the Food Standards Committee is considering all types of claims made for foodstuffs and dealing with claims in advertisements, as well as those on labels. The Committee invites written evidence from organisations on any matters coming within the scope of the review. The evidence should be sent to the secretary, Food Standards Committee, Ministry of Agriculture, Fisheries and Food, Great Westminster House, London, S.W.1, to arrive not later than December 31.

Import Duties

MORE CHEMICALS EXEMPT

THE Treasury has made the Import Duties (Temporary Exemption) (No. 8) Order, 1964 (published as S.I., No. 1722), which temporarily exempts from import duty until January 1, 1965, some fifty chemicals including isoniazid, arecoline and viomycin sulphate and pantothenate sulphate. It also provides for the extension of exemption until that date of "preparations in the form of capsules, the contents of which include not less than 70 per cent. by weight of acetazolamide."

[The above regulations do not exempt the preparations from the 15 per cent.

surcharge.]

Chemists' Retail Sales

BOARD OF TRADE STATISTICS

of Trade for August reveal the following changes in the sales of chemists'

	Compared with July 1964 %	Compared with August 1963
Independent		
retailers	-8.6	+2.6
Multiple		
retailers	— 1.7	+5.4
Co-operative		
Societies	-1.8	+11.1

PROTESTS AGAINST IMPORT SURCHARGE

Opposition from home and abroad

THE British Chemical and Dyestuffs Traders' Association recently sent a telegram to both the Chancellor of the Exchequer and the Secretary of State for Economic Affairs protesting at the "harsh and non-discriminatory porary import charges levied on chemical imports by the Government. "There is a complete failure to discriminate in favour of chemicals not manufactured in the United Kingdom and chemicals which are semi-raw materials being basic raw materials supplied to the in-dustry for further processing," it said. In a letter following the telegram the association suggests that it could not have been intended that the charge should penalise importers who had goods in transit in the execution of contractual commitments in the United Kingdom and asks that legislation should provide relief for all goods which can be documented as having been in transit before October 27. As the import charge is intended to be temporary there is a need to safeguard. when the charge is lifted, holders of stocks on which the temporary charge had been paid, and the association asks that the legislation shall make provisions accordingly bearing in mind that current stocks are being delivered to contract customers without price increase.

Importers of essential oils have already lodged a protest (see C. & D., October 31, p. 439).—Mr. F. Figgures (Secretary-General of European Free Trade Association) said in Paris on October 28 that the decision to impose the surcharge was "illegal," contravening the Stockholm Treaty under which E.F.T.A. had been set up. The treaty allowed for quantitative restrictions in certain circumstances, he said, but made no provision for surcharges. Answering questions, Mr. Figgures said that he was not passing any judgment on the British Government's action, but merely giving the facts as he saw them.

IRISH NEWS

THE REPUBLIC

Faults in Health Service

A PARTY'S SUGGESTED IMPROVEMENTS THE delayed introduction of improvements in the Republic's health services was "strongly deplored" at a meeting of the Labour Party policy committee in Dublin on October 14. It was pointed out that although the Select Committee on the Health Services had been set up three years ago no change had been made yet. "The Committee is now being used by the Government merely as an excuse to defer any action," said a statement, which pointed out that the operation of the system of granting medical cards gave rise to many injustices and people in real need were often not pemitted to benefit from the service. Among reforms suggested by the committee were the provision of a choice of doctor for all patients and the giving of aid in the purchase of medicines.

THE NORTH

Local Committee

NEW OFFICERS

THE following retiring members were re-elected for a further period of two years at a meeting of the Northern Ireland Local Pharmaceutical Committee, held in Belfast on October 22:— Messrs. T. W. Currie, J. W. T. Shinner and J. G. Stinson, Belfast; Mr. Wm. Donaldson, Londonderry; Mr. H. G. Campbell, co. Antrim; Mr. N. A. J. Anderson, co. Armagh; Mr. J. C. Gouk, co. Down; Mr. A. Templeton, co. Londonderry; Mr. T. G. Rutledge, co. Tyrone. The following officers were elected for the incoming year:—Chairman, Mr. L. R. Stipson; vice chairman, Mr. L. R. Stipson; vice chairman man, Mr. J. R. Stinson; vice-chairman, Mr. W. S. Hall; treasurer, Mr. J. F. Rankin; hon. secretary, Mr. Wm. Gorman; secretary, Miss A. E. Strachan. General regret was expressed that Mr. R. Gibson, who had been chairman since inception of the Committee in 1948. had found it necessary, for health reasons, to retire. An appreciation of his services to the Committee was recorded and the secretary was instructed to convey thanks and best wishes to Mr. Gibson for speedy improvement in health. Mr. R. M. N. Clarke, Ormeau Road, Belfast, 7, was co-opted to fill the vacancy. On the motion of the retiring chairman, Mr. W. Donaldson, a vote of sympathy was passed to the widow and family of the late Mr. W. Maxwell, who had represented co. Fermanagh on the Committee since 1953. A vote of thanks to Mr. Donaldson was passed with acclamation.

IRISH BREVITIES

THE REPUBLIC

THE nominee of the Irish Association of Dispensing Opticians for re-election to that body is again Mr. W. J. Dalton (president, Irish Drug Association).

(president, Irish Drug Association).

TICKETS (price 30s. each) for the Benevolent Fund dance of the Pharmaceutical Society of Ireland, Dublin, December 1, may be obtained from Mr. C. Conefrey (chairman, Benevolent Fund committee), 136 Pearse Street, Dublin, or Mr. K. Banks, 195 Philipsburgh Avenue, Fairview, Dublin.

NEWS IN BRIEF

THERE will be no changes in postal arrangements or postal addresses when the new Greater London boroughs come into being in April 1965.

A BOOKLET on "Foot Care at All Ages" (price 1s.) has been published in the Family Doctor series by the British Medical Association.

THE Minister of Health (Mr. Kenneth Robinson) has appointed Mrs. Shirley Williams, M.P., to be his Parliamentary Private Secretary.

To mark their seventy-fifth anniversary as a Foundation, the Carl Zeiss Foundation, Western Germany, have donated nearly £100,000 for German cancer research.

THE prices of over forty drugs and preparations included in Section 1 of the Drug Tariff, Scotland, have been revised as from November 1. In section IV the prices of spring and elastic band trusses have been amended.

A GRANT of £82,000 has been made by the Wellcome Trust to Yale University to cover half the cost of reconstruction and extension of laboratories of the University's department of pharmacology.

THE Board of Trade is considering an application for the allowance of drawback of duty on imported linseed oil when used in the manufacture for export of mixtures of linseed oil methyl esters and linseed oil.

A GENERAL Council circular, No. 62, sets out an agreement of the General Whitley Council on new rates and arrangements for the payment of subsistence allowances. Circular No. 64 deals with an agreement on the payment of travelling etc. expenses arising from transfers to new posts.

THE management side of the Pharmaceutical Whitley Council Committee "C" were unable, at a meeting with the staff side on October 28, to make any offer on hospital pharmacists' salaries. They are giving close consideration to the arguments presented and have suggested a further meeting in early December at which it is hoped a reply can be given.

What is described as one of the most ambitious experiments in health education yet undertaken by the British Medical Association commences on November 9, when distribution of a free booklet, "Doctor's Orders," to fourteen million urban households in England, Scotland, Wales and Northern Ireland begins. The booklet deals with the fundamentals of hygiene and diet (a recipe section is included) and the need for exercise.

THE Professional and Technical Whitley Council B has considered the Contracts of Employment Act, 1963, and agreed that staff in the National Health Service shall have the same benefits and obligations as those to whom the Act applies. The details are given in PTB circular 171. The employing authority must give either 1, 2 or 4 weeks' notice to an employee who has been in continuous employment for under 2, or less than 5 or more than 5 years respectively.

TOPICAL REFLECTIONS

By Xrayser

Underlying economics

It is a sign of greater unity within pharmacy that both the president and the secretary/registrar of the Pharmaceutical Society should have been present at a luncheon of the Proprietary Articles Trade Association, and that both should have spoken (p. 440) of the position of the Society in the matter of resale price maintenance. It appears, from the remarks of Mr. F. W. Adams that Jenkin has been squarely faced and found to be less inhibiting than was once thought. Mr. Adams said that the recent situation had revealed that no profession could prosper or achieve its objective unless it took into account its underlying economics. "The conception of the Pharmaceutical Society that had existed in the past—that the Society was not concerned, or could not be concerned, with financial or economic matters was unsound," he added. It is now some little time since the full implications of the Jenkin judgment were thoroughly examined, and it is to the benefit of pharmacy in general that the dust and cobwebs were removed. A few years ago a statement from a secretary couched in the terms quoted would have been received in shocked silence, with an uneasy look over the shoulder to discover whether the unseen presence had materialised. There is no doubt that pharmacy has the organisation in being to deal with all manner of questions and emergencies, and who but the Pharmaceutical Society should be in the position of leading its members, by decisive action and by co-ordination with other bodies? Mr. Maplethorpe's references to the struggle over R.P.M. were appropriate to the occasion, and the tributes paid by the president of the P.A.T.A. (Mr. H. G. Moss) were well merited. Mr. Maplethorpe said that, beside the harmonious working together of the various pharmaceutical bodies, the failure to persuade Mr. Heath in the matter of R.P.M. was relatively unimportant. I welcome the joint action, but I think the matter important, and I would not have applied the word "relatively" to the situation which is unfolding itself before our gaze at the present time. I do not for one moment anticipate that all the applications for the maintenance of price will be successful, and I view the future with foreboding. There is small comfort to be found in the present growing epidemic of cut prices.

The changing scene

One is reminded every now and again that the world is a changing place and that, in particular, the pharmaceutical scene has undergone changes undreamed of thirty or forty years ago. The reminder comes in a variety of ways—sometimes out of the need to consult an old prescription book for a suddenly remembered old faithful; sometimes by a request for some item that has been relegated either to the topmost shelf or to the furthest corner of the basement. In such a situation it is obvious that the item has merely been granted a reprieve, and that the time is approaching when a capital sentence will be pronounced upon it and it will vanish from the scene. Meanwhile its life is a precarious one. Yet how often have we taken the ultimate step only to find that if the carrying out of the sentence had been postponed for a further week we should have been in a position to meet the unusual—indeed rare—demand! Of course it does not pay, but who amongst us does not experience a feeling of satisfaction at being able to produce a "bygone" to an astonished customer who has practically given up hope? And one casts a lingering look on other old friends of a previous age and feels almost a sense of guilt at the neglect. But who wants tinctures of pulsatilla, guarana or guiacum? Or cerium oxalate? I must nerve myself to a special effort soon. . . .

Historical exhibition

I hope that your report on p. 457 of the exhibition at the Wellcome Historical Museum will encourage pharmacists to pay it a visit, for the contents and the layout are worth seeing, and only the quatercentenary of Shakespeare would have brought together this particular collection. My advice to pharmacists is that they should not miss this fine display of historical treasures.

Health in 1963

ANNUAL REPORT BY CHIEF MEDICAL OFFICER

A RISE in accidental deaths, particularly from poisoning, is referred to by Sir George Godber (Chief Medical Officer, Ministry of Health) in his report "On the State of the Public Health, 1963" (H.M. Stationery Office, price 12s. 6d.). Sir George mentions the operation of the poisons information centres at Guy's Hospital, London, the Royal Infirmary, Edinburgh, and the Royal Victoria Infirmary, Belfast. From the records it is clear, says the report, that by far the majority of queries arise from incidents involving drugs and household products. "The former have frequently proved dangerous and sometimes fatal; the latter may have caused alarm, but have seldom been truly haz-ardous." Botanical plants suspected of being poisonous have occasionally given rise to concern, yet only rarely have agricultural and horticultural pesticides, or industrial chemicals, given any trouble. The Medical Officer states "This, one must assume, can be attributed to the precautions with which they are handled." Manufacturers of proprietary products had been co-operative and forthcoming in providing information concerning their products notwithstanding the trade secrecy that otherwise surrounds their formulation."

Infectious Diseases

During the year under review, infectious diseases controllable by immunisation, except whooping cough, continued to decline. Of the infectious diseases, tuberculosis, syphilis and meningitis continue to play a declining rôle in the picture of mortality; poliomyelitis deaths fell from 338 in 1953 to 39 in 1963, "which must be mainly attributable to immunisation." Diphtheria, whooping cough and poliomyelitis have been eliminated as major causes of death, though not completely eradicated "nor can it be more nearly approached unless immunisation programmes are made more complete." The death rate from tuberculosis was barely one-fourteenth of the rate in 1931. By contrast some causes of death have shown substantial increases in the last decade, including cancer of the lung, accidental poisoning by solids and liquids, motor vehicle accidents and suicides. Leukæmia was also above the 1950-52 level. Death rates allocated to the coronary artery disease group have become more frequent, but total deaths attributable to heart disease, after allowing for the ageing popula-tion, have not. Death rates from all forms of cancer remained static, but there was the expected increase in the death rate from cancer of the lung, which now accounts for 13 per cent. of all deaths of men in their fifties. Maternal death rates fell from 299 in 1962 to 243 in 1963, giving a rate of 0.28 per 1,000 births, the best ever recorded in England and Wales.

Reporting on the communicable diseases, Sir George says "Typhoid fever has been of infrequent occurrence in England and Wales in recent years and,

apart from local outbreaks, which are few, half the infections reported have been contracted abroad. Paratyphoid fever, with its closer kinship to food poisoning, has been more commonly the cause of local outbreaks, but it also seems to be coming under better control. In 1963 we were faced with outbreaks of both diseases arising from exposure to infection in other countries or importation of infected food from them. Those incidents, Sir George points out, are another sharp reminder that communicable disease in other countries may affect this country by a variety of routes. The incidence of poliomyelitis (1-1 per million) was the lowest ever recorded, and by the end of 1963 18.9 million persons in England and Wales had received a primary course of vaccination. To maintain protection is highly important. Notifications of whooping cough rose from 8,347 in 1962 to 34,736 in 1963. Of that number 4,117 were in children aged less than one year, twenty-nine of whom died. The position is described as not entirely satisfactory "for vaccines available, if used, should give a large measure of protection." Sir George reports that there were 1,390 cases of infectious syphilis, against 1,224 in 1962, an increase of 13.5 per cent., "which must give rise to anxiety." Cases of gonorrhœa rose from 35,438 in 1962 to 36,049 in 1963, a rise less marked than in earlier years, but the incidence in girls below seventeen was a distressing feature. The expected further improvement in mortality and morbidity from tuberculosis was recorded. The notification rate of 40·30 per 100,000 is still substantial, but only fifteen deaths from respiratory tuberculosis occurred during the year in persons under the age of twenty-five against 421 in 1953 and three-quarters of all deaths from respiratory disease in men were at age fifty-five and over. The epidemic of tuberculosis must be measured in decades rather than in single years, and for that reason we must expect that elimination will be slow," it is stated, "since most of those who will develop clinical illness in the next twenty years have already had their primary, now latent, infection. favourable the trend, unre-However mitting effort to prevent further infections among younger people is essential. If further evidence of that need is required, the register of 3,021 drugresistant cases provides it.

Lung Cancer Increase

The number of deaths ascribed to malignant disease in 1963 is 102,416, an increase of 811 over the 1962 figure. Lung cancer was the biggest factor in the increase. With 24,259 deaths it accounted for nearly one-quarter of all cancer deaths. 23,259 children under fifteen years of age died from all causes, and of those deaths 820 were ascribed to malignant disease. Less than half of those (364) were due to leukæmia. The increased prevalence of

childhood leukæmia in many countries is noted. Though nine out of ten children suffering from acute leukæmia die within a year, and of the untreated cases half within four months, there is no doubt, Sir George points out, that modern treatment with cytotoxic drugs has considerably increased the length of symptom-free remissions. In one series of fifty-two cases the drug 6-mercaptopurine gave a 50 per cent. survival time of twelve-and-a-half-months. Administering a combination or rotation of three or four of the drugs most effective in acute leukæmia has tended to prevent development of resistance to any one particular drug, and in favourable cases appears to lengthen the remissions, which may be so complete that there is hope of prolonging them still further, if not indefinitely. Lung cancer claimed 20,757 men and 3,677 women (655 more than in 1962), provoking Sir George to sound a grim note of warning that, unless smoking habits change, the increase will continue. The number of live births during 1956 was 700,335. In 1963 the figure had risen to 854,055.

Vaccination Facilities

The present status of vaccination and immunisation is reviewed in the report, Sir George pointing out that an orderly series of preventive measures against whooping cough, diphtheria, tetanus, poliomyelitis, smallpox and tuberculosis is now advocated for all children and provided in every area.
"There have been changes in timing and in the antigens used," he adds, but there is general acceptance that children should have protection against these diseases. The development of combined killed antigens against whooping cough, diphtheria, tetanus, smallpox, poliomyelitis and measles protecting in the first year of life and permitting reinforcement with live vaccines later, where appropriate, would be the ideal outcome of present research. It is to be hoped that this may prove practicable within the next few years. Before then we may well have a vaccine, effective and free from complications, which may make it possible to break the biennial cycle of measles epidemics. Unlike the other diseases, except whooping cough, measles is only spread by patients with the clinical illness and an effective vaccine could abruptly end a cycle of infection which has been predictable for genera-tions and has affected a majority of Although measles vaccines children. are available, the combination of safety and efficacy required seemed, at the time of writing, tantalisingly close, but perhaps not close enough for general use in 1964."

A special section of the report discusses the significance of the increasing number of deaths ascribed in recent years to arteriosclerotic heart disease, including coronary disease. In 1962 no fewer than 81,063 males and 69,548 female deaths were in that group. Ex-

amination of mortality statistics indicates that the increase is not solely due to the increasing age of the population, because there has been an increase in deaths of both sexes in all age groups over twenty-five years of age. Improved diagnosis and a growing awareness of ischæic heart disease (local diminution in blood supply) as a cause of death have been responsible for part of the increase. Predisposing causes to arteriosclerotic heart disease seem to be cigarette smoking, lack of physical exercise, gross obesity, high blood pressure and diabetes mellitus. The first three "can be controlled by the individual."

The estimated population of England and Wales at mid-1963 was 47,023,000, against 46,709,000 at mid-1962, a considerably smaller increase than in the previous year, when the population rose by more than half a million. While the number of births was again higher in 1963 (854,000, against 839,000 in 1962) deaths due to the cold winter were also higher (573,000 against 558,000) so that the net natural increase of population amounted to 281,000. With the birth rate of 18.2 per 1,000

population slightly higher than the rate for 1962, the number of births per year has now increased for eight consecutive years, and there is little firm indication of a reversal of the trend. Expectation of life remains unaltered at sixty-eight years for a male and seventy-four for a female child at birth (100 years ago those expectations were about forty-one and forty-three respectively, and even fifty years ago were only fifty-two and fifty-five). The outstanding change has been in the increased expectation of life for infants who have survived their first year of

The report reviews in detail the steps that led to the appointment of the Committee on the Safety of Drugs under the chairmanship of Sir Derrick Dunlop, It points out that the Committee has relied upon and received ready co-operation in their work from the professions and from industry. Prob-lems arise in administering the Therapeutic Substances Act, and all connected with the subject should co-operate in the production of amendment regulations so that legislation does not lag behind medical research.

300,000 UNTREATED DIABETICS Office of Health Economics calls for their detection

"THE time has now come . . . when the balance of evidence is in favour of our spending the money and the effort to go out and screen the whole population to find the 300,000 untreated diabetics," said MR. G. TEL-ING-SMITH (director) in introducing "The Pattern of Diabetes," the latest report from the Office of Health Economics, 62 Brompton Road, London, S.W.3. The report states that that number of undetected diabetics (equal to the number of treated cases) has been shown to exist from surveys earried out amongst large samples of the population. Cost of screening the whole population is estimated at about £1.5 millions, that of treating the diabetics discovered as much as £2.4 millions a year. Early treatment would reduce or postpone complications such as blindness or damage to the circulatory system, such as can occur in a diabetic whose treatment has been started too late. To some extent that would offset, in lower hospital costs later on, the costs of diagnosis and early treatment. Cost to the National Health Service of treating a diabetic outside hospital was given as an average of £9 a year—£5 for the year's supply of pharmaceutical preparations and £4 for a share of the cost of general practitioner and out-patient consultations. By contrast, when a diabetic was admitted to hospital the cost for his average stay of twentysix days would be about £100. Early diagnosis might also reduce sickness absence due to diabetes which in 1961-62 caused the loss of 1.83 mil-

lion working days.

As ground for carrying out such a national survey, the report draws attention to the reduction of diabetes mortality since the introduction of insulin in 1922, which was greatest among the higher social classes (among persons aged less than fifty the death rate was one-and-a-half times as high for social classes IV and V as for classes I and II). That situation had persisted under the National Health Scrvice, under which medical care was freely available, and the conclusion is reached that removal of the direct charges for medical care was not by itself sufficient to ensure that all sectors of the community derived full benefit from medical progress. "There is also the need to obtain the active participation of those whose competence or attitudes hinder the effective use of the services available to them.

The person best placed to carry out the screening tests, argues the report, is the general practitioner. That is because the condition is chronic and potentially progressive, so making continuity of care essential, and because the practitioner sees probably two in every three patients in his list in the course of a year. A method of reim-bursement for the practitioner must first be found, and it would also be necessary for an authority, probably the local medical officer of health, to co-ordinate the surveys and arrange follow-up work. The general practitioner should, said Mr. Teeling-Smith, in view of the present day pattern of sickness, "take a positive approach to such problems," though at the moment he had no incentive and little opportunity to do so.

N.H.S. STATISTICS

IN LONDON during March 16,438,136 prescriptions (11,368,081 forms) were dispensed at a total cost of £7,647,186. Average total cost per prescription, 111.65d. During April 16,690,368 prescriptions (11,526,821 forms) were dispensed and the total cost was £7,849,450, an average of 112·8d. per prescription. During May, 15,841,259 prescriptions (11,033,011 forms) totalled £7,563,190. Average total cost per prescription was 114.58d.

BRISTOL CEREMONY Last of its kind

"IT is the usual practice of most educational institutions to arrange an annual ceremony at which those who have been successful in their studies receive their awards. Procedures differ and it is possible that this will be the last occasion upon which we shall follow the precise pattern of ccremonial we have now used for several years. Changes will be the natural consequence of the granting of our Charter as a University, and this we anticipate receiving during the present academic year.

That was how the principal (DR. G. H. MOORE, M.Sc., F.P.S., F.R.I.C.) prefaced his address at the ceremony on October 24 at which new graduates of the Bristol College of Science and Technology were "presented" to the Senate of the College.

In essence, said the principal, the purpose of the ceremony would re-

main the same, namely to admit to graduate status those who had shown they had reached the required standard.

He gave a welcome to the deputy lord mayor and the sheriff. The academic staff, he said, hoped they had made it clear to students that graduation was, rightly, a milestone, but that the road still stretched ahead and the journey was only just beginning. They entered upon their careers at a time when scientific and technological advance was rapid. It had been said that, of all the scientific knowledge now at people's disposal, half had been discovered since the beginning of the 1939-45 war, that was in about twenty-five years. It was clear that graduates would need to bring their knowledge up to date con-tinuously, to keep their minds alert and to accept and master change. The impact of technological development would bring social changes also. In the unknown problems of the educationally qualified society it was graduates' judgment and experience that would help to solve them. It was the clear and firm resolve of the authorities in Britain to cultivate within the university orbit the same high regard for technological studies as was to be found in comparable institutions on the Continent and in America. There must be an awareness of the unity of all knowledge. The partnership between the College and industry was of the greatest importance and must not be inhibited in any degree by its change of status. The wise company, with a vested interest as a consumer of the products the College produced, knew when to stand back and leave the work to the professional educator.

The pharmaceutical chemists among the graduates were presented by the head of the school of pharmacy (MR. D. A. NORTON, B.Sc., F.P.S.). They were: Bridgeman, Linda Susan; Carruthers, David Fairbairn; Dixon, Roderick Gilbert; Eyles, Alan Thomas; Hurst, Geoffrey Andrew; Judge, John Aloysius; Last, Robin Charles: Llewellyn, Gwyn; Miles, Reuben Cleopas; Pendlebury, Anthea Helen; Phillips, Priscilla Anne; Roberts, Peter Michael; Sharman, Paul Kenneth; Sharpe, Allan John; Young.

Peter Frederick.

IN PARLIAMENT

THE abolition of prescription charges was, as expected, an item in the Queen's speech at the opening of Parliament on November 3. It followed the Government's promise of action to modernise and develop the health and welfare services and forecast that . . . "Steps will be taken to increase the number of doctors and other trained staff in the National Health Service. . . . the other proposals are:—A pledge to assist industries to gain the full benefits of advances in scientific research and applied technology; central and regional plans to promote economic developments; steps to improve industrial efficiency by dealing more effectively with monopolies and with problems arising from mergers; the Government is also to pay special attention to protecting the interests of consumers. Employers and trade unions are to be called upon to co-operate "in eliminating those restrictive practices on both sides of industry which impair our competitive power and the development of the full potential of the economy." Law reforms and the appointment of an "Ombudsman" to investigate individual grievances are also proposed.

During the debate that followed MR. HAROLD WILSON (Prime Minister) indicated that the Chancellor of the Exchequer would introduce a Budget in the week ending November 14.

COMPANY NEWS

Previous year's figures in parentheses

W. H. LEGAT, LTD.—Mr. V. Rae-Reeves (general manager) has been appointed an additional director of the company.

NEVILLE BROWN & CO., LTD.—Mr. F. Sandell is relinquishing his appointment as managing director of the company at the end of November.

MAY ROBERTS (IRELAND), LTD.—Mr. Thomas McAuliffe, M.P.S.I. (manager, Limerick branch offices and warehouse), has been appointed to the board of directors.

BIOREX, LTD.—Sir Barnett Stross has resigned his directorships on taking up appointment as Parliamentary Secretary to the Ministry of Health.

PFIZER, LTD.—Messrs. H. J. Bragg, F.P.S., and R. D. Douglas have been appointed directors of the group. Mr. Bragg, formerly marketing director of the chemical division, has been appointed general manager of the division. Mr. Douglas is head of the company's legal and patents department.

ALLEN & HANBURYS, LTD. — Group net profit for year ended June 30, £455.317 (£450,506) after tax, £441.947 (£436,121). Dividend 72½ per cent. (55 per cent.). Fixed assets, £1,656.244 (£1,548.956) net current assets, £1,556.473 (£1,624,260). Sales outside the Glaxo group offset certain substantial expense increases, states the

ASTRA, A.B., Sweden.—An increase in total sales of 11 per cent. is reported for the first eight months of 1964 to a total of 209 million crowns against the corresponding period of 1963. Investments between 1964 and 1966

should be about 75 million crowns, a third of which will be used in 1964. The company is at present building new laboratories in Soedertaelje, south of Stockholm, at a cost of 10 million crowns. It is also spending 22 million crowns to extend its Gothenburg plant.

PLOUGH, INC., Memphis, U.S.A.—Estimated net profits of \$3,870,000 are reported for the first nine months of this year, up \$560,000 over the same period of 1963. Sales amounted to \$45,250,000, an increase of £3 millions. The International division reports profits 48 per cent. ahead for the first nine months based on a 33 per cent. sales increase. Plough, Inc. (United Kingdom), Ltd. a wholly-owned subsidiary has been established at 63 Jermyn Street, London, S.W.1.

FARBENFABRIKEN BAYER, A.G., Leverkusen.—Turnover rose by 11.7 per cent. to DM3,623 millions in the first nine months, whilst third quarter turnover was 10.3 per cent, up at DM1,216 million marks. In the corresponding period of 1963 the figures were DM3,244 millions and DM1,102 millions respectively. Profits before tax in first nine months were DM441.4 millions, with tax, DM239.9 millions leaving a net profit of DM201.5 millions from gross receipts of DM2,656 millions. A continuation of the favourable business developments is expected for the fourth quarter. Investments estimated for the whole of 1964 should total DM430 millions (against 381 millions) and expenditure on research DM160 millions (138-8 millions).

THE BRITISH DRUG HOUSES, LTD The company have now acquired, through their subsidiary company, Middleton & Co., Ltd., Middlesbrough, the business of Hirst Brooke Goodalls, Ltd., Leeds. In charge of the Leeds establishment is Mr. H. G. Reed, B.Sc., who has been managing director of Hirst Brooke Goodalls since 1954. He is also a director of Middletons. The general manager, and a director of this "parent subsidiary" is Mr. J. Wilkinson, M.P.S., who joined B.D.H. in 1946. In due course Mr. Wilkinson plans to transfer the head office of B.D.H. (Middletons), Ltd., from Middlesbrough to Leeds. As previously stated (C. & D., October 17, 396), Middleton & Co., Ltd., are changing their name to B.D.H. (Middletons), Ltd.

RANK ORGANISATION.—Following the Rank Organisation's acquisition of Pullin Optical Co., Ltd., the photographic products sections of Messrs. Pullin and their subsidiary, Neville Brown, Ltd., have become part of Rank Audio Visual division. Messrs. Pullin and Neville Brown are being combined on December 15 into one marketing unit, which will trade as Pullin Photographic. Until then both will continue their separate trading. The new trading unit will have its own marketing and sales force and will operate separately from the division's existing photographic equipment section (Rank Photographic). Mr. J. B. Smith, at present marketing director of Rank Photographic, will be executive director of both Rank Photographic and Pullin Photographic: Mr. T. F. Caton (formerly managing director, Pullin Optical) will be marketing director, Pullin Photographie; Mr. E. W. Cann' (product manager, Rank Photographic) will be marketing director of that unit. Pullin Photographic will trade from 11 Aintree Road, Perivale, Middlesex.

BUSINESS CHANGES

PARK WOOD PHARMACY, LTD., have opened a pharmacy at 11 Park Wood Parade, Maidstone, Kent.

NU-TREND PRODUCTS have removed to Ascot House, Charles Street, Windsor, Berks (telephone: Windsor 60092).

E. S. DAVIS (CHEMISTS), LTD., Gloucester, have acquired the pharmacy of W. H. Hampton, Ltd., 47 Northgate Street. Mr. T. O. Martin, F.P.S., and Mrs. B. M. Martin, M.P.S., have retired as directors.

MR. G. H. WRIGHT, M.P.S., A.R.P.S., formerly with Boots, Ltd., Pontefract. has acquired the pharmacy of Mr. A. Redhead, M.P.S., 71 Monkton Road, York.

COLCHESTER AND EAST ESSEX CO-OPERATIVE AND INDUSTRIAL SOCIETY, LTD., are opening a pharmacy at Frinton-on-Sea on November 9. Mr. R. G. H. Cook, M.P.S., is to be the branch manager.

MR. CECIL JACOBS, M.P.S., 27 Granby Street, Leicester, has extended his premises to the adjoining corner, increasing their ground-floor area to four times the previous size. Representatives are asked to call, or send literature and price lists, because much of the buying which was previously done by a subsidiary business is now being undertaken direct.

Appointments

SMITH KLINE & FRENCH LAB-ORATORIES, LTD., Welwyn Garden City, Herts, have appointed Mr. A. W. Perry, M.A., manager of Menley & James Laboratories.

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1, have appointed Mr. J. M. Stockland to the new post of financial controller for the B.D.H. group of companies.

SMITH & NEPHEW PHARMA-CEUTICALS. LTD., Welwyn Garden City, Herts, have appointed Mr. H. J. Gallimore (formerly home marketing manager) their general manager.—Mr. J. G. Nutman has been appointed managing director of Southalls (Sales), Ltd., and of Helene Curtis, Ltd. (the toiletries-cosmetics marketing companies of the group).

ARMOUR PHARMACEUTICAL CO., LTD., Hampden Park, Eastbourne, Sussex, have appointed the following representatives Messrs, C. G. T. Angus (part Glasgow, Dumbarton, Renfrewshire; P. L. Balf (Bradford, West Riding); W. R. Chapman (Leeds area); T. J. Davies (North Wales, Shrewsbury); B. P. Faulkner (North Kent); J. W. Gretton (North Staffordshire); R. K. McWilliam (East London, part Essex); G. F. Rice (Bristol, Gloucestershire area); C. C. Stone (part Surrey and part Sussex); A. E. Smith (Cheshire) and F. W. Watkins (Oxfordshire, Buckinghamshire, Berkshire).

large-as-life from

Sunsilk



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Detailed literature available
Glaxo Laboratories Limited Greenford Middlesex







Prof. Blackett



Mr. E. Du Cann, M.P.



Mr. R. Wood, M.P.



Sir Solly Zuckerman

PERSONALITIES

DR. T. BALOGH (reader in economics, Oxford University) has become a member of the Cabinet Office and will advise the Government on economic affairs, with particular reference to external economic policy.

MR. EDWIN R. LIVINGSTONE, F.P.S. (formerly deputy chief pharmacist, St. Mary's Hospital, Portsmouth), has been appointed chief pharmacist at H.M. Prison, Parkhurst, Isle of Wight, following the retirement of MR. W. P. HOGAN, M.P.S., who held the post at Parkhurst for over thirty-two years.

MR. EDWARD DU CANN, M.P., has been selected as the Opposition front bench spokesman on trade matters. In 1962 Mr. Du Cann was appointed Economic Secretary to the Treasury, and in 1963 became Minister of State, Board of Trade. He has represented Taunton, Somerset, division in the House of Commons since 1956.

PROFESSOR P. M. S. BLACKETT, F.R.S., has been appointed by the Prime Minister to serve as deputy chairman of the small advisory council that will assist the Minister of Technology (Mr. Frank Cousins) on matters of technology and science. Until his new appointment Professor Blackett was professor of physics, Imperial College of Science and Technology, London University.

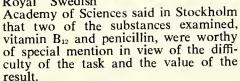
MR. RICHARD WOOD, M.P., has been chosen by the Leader of the Opposition in the House of Commons to deal with health matters. Mr. Wood has been Member of Parliament for Bridlington, Yorks, since 1950. He was appointed joint Parliamentary Secretary, Minister of Pensions and National Insurance, in 1955, and in 1958 became Parliamentary Secretary, Minister of Labour and National Service. He was promoted Minister of Power in 1959 and in 1963 switched to become Minister of Pensions and National Insurance.

SIR SOLLY ZUCKERMAN, who has been appointed to the staff of the Cabinet Office as scientific adviser, is continuing to act as Chief Scientific Officer to the Secretary of State for Defence. His advice is also being made available to the Minister of Technology and the Secretary of State for Education and Science. Sir Solly was the principal guest at the annual dinner of the Association of British Chemical Manufacturers in 1961. He was then scientific adviser to the Ministry of

Defence and at the same time deputy chairman of the Advisory Council on Scientific Policy.

PROFESSOR DOROTHY C. HODGKIN, who has been awarded the

1964 Nobel prize for chemistry, is the first Englishwoman ever to win the award. She gained it "for her determination by x-ray techniques of the structures of important biochemical substances." The Royal Swedish

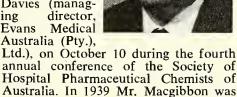




NEW MEMBER OF COUNCIL, Pharmaceutical Society of Ireland: Mr. J. B. Murphy, M.P.S.I., Ballyphenane, Cork, who replaces Mr. P. A. Brady (see C. & D., October 24, p. 430).

MR. C. B. MACGIBBON, F.P.S., M.S.H.P., who has been chief pharmacist at the Royal

Melbourne Hospital, Australia, since 1938, has been awarded the Evans Gold Medal for 1963, for outstanding services to hospital pharmacy. The presentation was made by Mr. J. A. W. Davies (manag-ing director, ing Evans Australia (Pty.),



responsible for convening a meeting of hospital pharmacists which decided to form the Society of Hospital Pharmaceutical Chemists (Victorian branch). Since the inception of that Society, of which Mr. Macgibbon was the first president, Mr. Macgibbon has served continuously as a member of the State branch committee. He was elected to the Council of the Pharmaceutical Society of Victoria in 1960 and is a member of several of its committees.

DEATHS

HALKES. — On October 16, Mr. Harold Robert Halkes, M.P.S., 51 Collingwood Avenue, Tolworth, Surrey. Mr. Halkes qualified in 1915.

JONES.—On October 25, Mr. Sidney Clifford Jones, M.P.S., 11 Onslow Road, Richmond, Surrey. Mr. Jones, for nearly sixty years, was in business as a proprietor pharmacist in the East End of London. From the earliest days of National Health Insurance, he was a member of the Pharmaceutical Committee for his area, and he remained on the West Ham Committee for forty years. He was a founder member of the West Ham Association of Pharmacists, and when the association was being formed in 1903 he personally called on the local chemists in their shops to canvass their support for the association. Later, he was three times its president. He qualified in 1897 after a course at Watson Will's College in Lambeth. He was proprietor of the business at 6 Beckton Road, Canning Town, from March 1900 until 1929, when the shop was requisitioned for road-widening purposes. New accommodation was found at No. 18 in the same road, and there Mr. Jones remained in business until his retirement. Mrs. Jones survives him.

LEONARD. — On October 8, Mrs. Daisy Fowler Leonard, M.P.S., 54 Doniford Road, Watchet, Somerset. Mrs. Leonard qualified in 1921.

McKIBBIN.—On October 26, Mr. John McKibbin, M.P.S.N.I., F.B.O.A., 697 Oldpark Road, Belfast, 14, Northern Ireland. Mr. McKibbin, who qualified in 1932, was a native of Moyadd, Kilkeel, co. Down.

NORMAN. — On October 19, Mr. Donald Norman, M.P.S., 197 Liverpool Road, Crosby, Liverpool, 23. Mr. Norman qualified in 1925.

RAVENSHAW. — On October 15, Mr. John Ravenshaw, M.P.S., The Lodge, 33 Wellington Road, Taunton, Somerset. Mr. Ravenshaw qualified in 1903.

Britain's "New Major Antibiotic"

FIRST COMMERCIAL LAUNCH OF A CEPHALOSPORIN DERIVATIVE

EIGHT years' continuous research by Glaxo Laboratories, Ltd.. Greenford, Middlesex, has contributed to the development and introduction of Ceporin, a new wide-spectrum antibiotic derived from cephalosporin-C. For that new drug a broader spectrum of bactericidal action is claimed than for any other antibiotic.

In clinical trials Ceporin is understood to have been highly successful in the treatment of mixed infections, particularly those of the lungs, kidneys and bladder; of infections resistant to penicillin and other antibiotics; and in patients sensitive to penicillins.

The new antibiotic is understood to be even less toxic than penicillin, to show no cross-sensitivity, and not to give rise to pain when injected.

In the past twelve months alone the company have spent over £333,000 on the project.

Antibiotic activity was first discovered in the Cephalosporium mould

in 1945 by Professor Brotzu, an Italian scientist, whilst he was working in Sardinia. A British public health officer took an interest in the work, and the culture was sent to the Sir William Dunn School of Pathology (then Sir Howard Florey's department at Oxford University). There and at the Medical Research Council's antibiotics research station at Clevedon, Somerset, investigations showed that the mould could produce a number of antibiotics, the last of which to be found was isolated and characterised by Drs. G. G. F. Newton and E. P. Abraham and named cephalosporin-C.

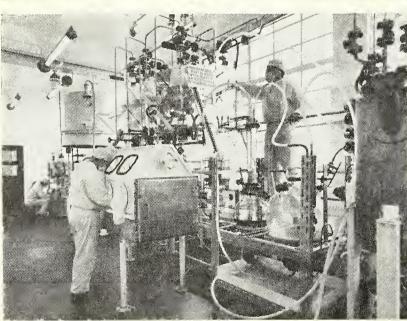
The National Research Development Corporation helped to co-ordinate from Oxford and Clevedon the research results that were of interest to pharmaceutical companies, and became responsible for securing patent protection, eventually undertaking licensing arrangements with pharmaceutical manufacturers. In the early stages of the

enterprise the Corporation arranged with Messrs. Glaxo to utilise the company's antibiotic production "knowhow" for making enough cephalosporin-C to determine its chemical and biological characteristics, and over several years the company's research staff improved the yield of cephalosporin-C by testing about 40,000 different strains of the mould.

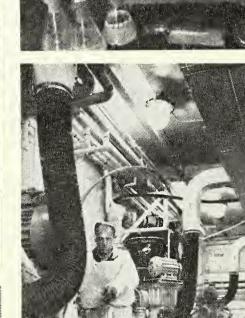
The turning point came when Drs. Abraham and Newton at Oxford succeeded in determining the structure of cephalosporin-C and in isolating its nucleus. That gave renewed impetus to the project, and research teams of the company were mobilised to explore further the antibiotic's complex chemistry and to develop new cephalosporins. Various chemical side chains were combined with the cephalosporin nucleus in an attempt to find the most useful compound. About 600 different substances were prepared and tested. Of the 600 the antibiotic designated 87/4,











rine day

STAGES IN THE PRODUCTION OF CEPORIN. Top left, A giant colony of cephalosporin-producing organisms. Top centre, Ceporin crystals (magnified), Top right, Assaying potency. Above, Plant used in final stage of the manufacture of bulk sterile Ceporin. At right, The 5-vial pack of Ceporin 500 mgm. and an individual vial. Extreme right, Cyanation process plant used in the production of reagent used to convert Cephalosporin C.



now known as Ceporin, was shown by laboratory investigations to be the best, and intense development began to find new methods of making it so that it could be prepared efficiently in large quantities. When methods of making Ceporin from cephalosporin-C had been devised for large-scale conversion, the company's chemical production plants took over that part of the production sequence. Many of the complex chemical compounds involved had to

be specially manufactured.

Essentially, Ceporin is obtained by removing a side chain and substituting 2-thienylacetic acid for the a-aminoadipic acid of the natural antibiotic and by replacing the esterlinked acetic acid with pyridine. resulting substance, N-(7-2'-thienylacetamidoceph-3-em-3-ylmethyl) pybeen ridinium-4-carboxylate, has cephaloridine. assigned the name Ceporin enables effective blood levels to be obtained rapidly $(\frac{1}{4} \text{ to } \frac{1}{2} \text{ hour}$ after an intramuscular injection) and to be maintained for about 6-8 hours. The drug is not effective when given by mouth. Not inactivated in the body, it is excreted unchanged in the urine at high concentration. After an intramuscular dose of 250 mgm., levels higher than those required for bactericidal action against the common pathogenic bacteria found in the urinary tract are attained. Ceporin is

said to be well tolerated and notably free from toxic effects. Clinical trials have shown that patients allergic to penicillin can safely be given Ceporin as the new antibiotic shows no crosssensitivity with any of the penicillins. Since it kills susceptible organisms quickly no resistant organisms cmerge. Bacteria that are resistant to penicillin show no such resistance to Ceporin.

Ceporin is claimed effective in treating infections of the urinary tract, and is recommended before and after surgery involving the urinary tract; in pulmonary and bronchial infections; in local and general infections whenever mixed micro-organisms are present or suspected: for patients allergic to penicillins or other antibiotics; and in conditions caused by penicillin-resistant organisms, particularly the staphylococci as Ceporin is virtually unaffected

by the enzyme penicillinase.

The product is available in single vials and packs of five vials of 500mgm, and 250-mgm, quantities. The vials should be stored in a cool place. preferably in a refrigerator, and protected from light. The powder, which is usually white, may become discoloured after a period, particularly if the vials are exposed to light. There is no evidence that the resulting alteration in appearance affects the potency or safety of the antibiotic.

NOTES TRADE

Sole London Agents.—Sole agents in the Greater London area for Paton's nail hardener are Warren, Stanley & Co., Ltd., London, N.W.1.

Change of Pack.—Ames Co. (division of Miles Laboratories, Ltd.). Stoke Court, Stoke Poges, Slough, Bucks, announce that the pack size of Hema-Combistix reagent strips has been adapted for the greater convenience of users. All future supplies of the strips (test for urinary pH, protein, glucose and blood) are being packed in bottle of 50 strips.

New Labels for Dealers' Stocks. -Lownds Pateman, Ltd., Works, St. Marychurch. Havelock Devon, advise that, following the decision in a recent case brought under the Merchandise Marks Act, 1887 (see C. & D., October 31, p. 444), they are "assuming that any place-named products must have on them the place of manufacture," but add that "this can easily be done by affixing a suitable label." They therefore ask chemists to supply details of their stocks of the company's products so that the necessary labels may be supplied. It is proposed at the same time to include on the labels the details required by the Weights and Measures Act, 1963

Joint Effort. — Following an agreement between the H. J. Heinz Co., London, N.W.10, and Maws Pharmacy Supplies, Ltd., Barnet, Herts, Maws feeding bottles sold through the retail trade are now to be accompanied by a leaflet describing Heinz baby foods. At tached to the leaflet is a couron entitling the purchaser to send for a free copy of the Heinz "From Milk to Mixed Diet" baby feeding guide, and a voucher card for a free sample of Heinz baby foods. The mother will, in fact, receive two voucher cards, one for a free $8\frac{1}{2}$ d. can and one for a free 10d. jar. Retailers will be credited with full retail prices. Over a million Maws feeding bottles (available only from pharmacies) are sold annually.

Discontinued. — Allen & Hanburys. Ltd., Bethnal Green, London, E.2, announce that the 8-fl. oz. and 2-litre packs of Euvalerol M have been discontinued.

Bonus Offers

AYRTON, SAUNDERS & Co., LTD., Hanover Street, Liverpool, 1. Winter cough specialities (glycerin, lemon, honey and ipecacuanha balsam: bronchial emulsion; bronchial cough mixture). 10 per cent, extra discount. Till November 30.

DENDRON DISTRIBUTORS, LTD., 94 Rickmansworth Road, Watford, Herts. Rlisteze medicated lip salve. Twelve Blisteze medicated lip salve. invoiced as eleven. Till December 31.

SMITH & NEPHEW PHARMACEUTICALS, LTD., Bessemer Road, Welwyn Garden City, Herts. Calyptol inhalant capsules. Plastic rosette pack of twelve. Additional discount of 15 per cent. on direct order for 1 dozen or more. Till December 4.

WARREN, STANLEY & Co., LTD., 37 Pratt Street, London, N.W.1. Paton's nail hardener. Thirteen invoiced as twelve.

INFORMATION WANTED

The Editor would appreciate information about:

Special Vitaxia Tartex paste

NEW PRODUCTS

PHARMACEUTICAL SPECIALITIES

Linctus in 2-litre Pack.—Burroughs Wellcome & Co., Euston Road, London, N.W.1, have produced a 2-litre pack of Actifed compound linetus. Features of the new pack, which replaces the existing 80-oz, bottle, are a non-drip, easy-pour neck and screw

A New Antibiotic. — Boots Pure Drug Co., Ltd., Station Street, Nottingham, have launched a new antibiotic speciality Mycivin (lincomycin hydrochloride), stated to be chemically unrelated to all others clinically available. Mycivin is claimed effective against infections due to Gram-positive organisms, including upper-respiratory-tract and soft-tissue infections. Packs are containers of twenty capsules and 100 500-mgm. capsules and a pack of three 2-mil (600 mgm.) ampoules.

COSMETICS AND TOILETRIES

New Handy Sizes. — Chesebrough-Pond's, Ltd., Victoria Road, London, N.W.10, have brought out new "handy" sizes of Vaseline cream and Vaseline medicated shampoos, each with "special twopence off" offer.

Wrinkle-smoothing Cosmetic. — A new wrinkle-smoothing cosmetic, Affirm, by Dorothy Gray, Ltd., Marshall Road, Hampden Park, Eastbourne, Sussex, is claimed to "act in bourne, Sussex, is claimed to "act in minutes—last for hours—and costs much less than any other similar product" duct.

"Giant Size" Baby Powder. — Sidney Margolis, Ltd., Margo House. Hemp Row, London, S.E.17, have made an assessment of potential business in baby powders in Britain and decided that there is a demand for a giant-size tin to sell at an economical price. To meet it they have introduced a tin size $6\frac{3}{4}$ deep x $2\frac{3}{4}$ in. sq. and have simultaneously reduced the price of the larger of the two existing sizes.

Anti-wrinkle Lotion.—A new wrinkle-smoothing lotion "Smooth Skin," by the American couturier Daché, being distributed in Britain by Dendron Distributors, Ltd., 94 Rickmansworth Road, Watford, Herts. It is claimed "a superior product technically to anything yet on sale" yet in cally to anything yet on sale," yet is priced at a lower level than many other products offered for the same purpose. The pack is a cyclamen-and-white box with gold seal design on the front.

Evening Make-up Collection. — Revlon International Corporation, 86 Brook Street, London, W.1, announce that their frosted Touch and Glow liquid make-up and frosted pressedpowder compact are both available in creamy ivory, cream beige, rachel, misty rose and sun tan shades. Frosted Touch and Glow face powder is available in translucent *1 (for light to medium skins) translucent *2 (for medium to tan skins). Frosted Touch and Glow is described as "a liquid foundation that imparts a gentle glow to the skin while toning it with your favourite Revlon complexion shade. Add to it a fine, fine translucent frosted face powder and you have a dazzling new make-up look—strictly for after dark."

Late look at GIFT stocks



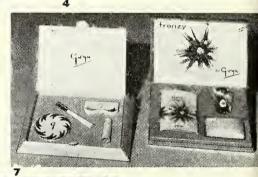


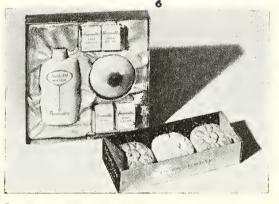








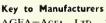












AGFA=AGFA, LTD., 27 Regent Street, London, W.1. BROKERS=FOOD BROKERS, LTD., Crown House,

BROKERS=FOOD BROKERS, LTD., Crown House,
Morden, Surrey,
CUSSONS=CUSSONS, SONS & CO., LTD., Kersal
Vale, Manchester,
FABERGE=FABERGE PARFUMS, LTD., 210 Bath
Road, Slough, Bucks.
FRANKS=ALFRED FRANKS & BARTLETT CO.,
LTD., 276 Vauxhall Bridge Road,
London, S.W.1.
GOYA=GOYA, LTD., Badminton Court, Amersham, Bucks.
ISOVAC=ADDIS ISOVAC, LTD., Chiltern Works.

sham, Bucks.
ISOVAC=ADDIS ISOVAC, LTD., Chiltern Works,
Bernard Road, London, N.14.
KODAK=KODAK, LTD., Kingsway, London,
W.C.2.
LANCOME=LANCOME (ENGLAND), LTD., 14
Grosvenor Street, London, W.1.
OTTOWELL=OTTOWELL & SON, LTD., 7 Hardwick's Way, London, S.W.18.
RICHARDS=RICHARDS & APPLEBY, LTD., York
House, Westminster Bridge Road,
London, S.E.1.

London, S.E.1.

SOUTHALLS=SouthALLS (SALFS), LTD., Bessemer Road, Welwyn Garden City, Herts.

THERMOS=THERMOS, LTD., Ongar Road, Brentwood, Essex,
YARDLEY=YARDLEY & CO., LTD., 33 Old Bond
Street, London, W.1.





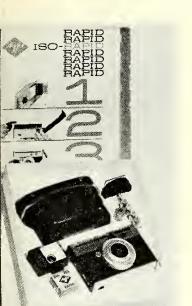












Items not illustrated :

illustrated:
Georgia cut-glass bowls, 5-in, diameter, 1s, 10d.; 8-in, diameter, 4s, 11d.; 8-in, diameter, 4s, 11d.; CAYRTON SAUNDERS & CO., LTD., 34 Hanover Street, Liverpool, 1).
Softaskin bath oil, 7s, 11d.; champagne bubble bath in box of three, 4s, 6d. (JEAN SORELLE, LTD., LTD., 21 Turle Road, London, N.4.).
Sparklets Corkmaster bottle decorker ("plunge the needle through the cork, briefly press the lever and the cork slips out"), 21s, (BRITISH OXYGEN CO., LTD., Brentford, Middlesex).
Gift set comprising Cutipen (for easy trimming and shaping of the cuticles) and Nutrinail (vitaminised nail food in applicator) with two emery boards, 8s, (G, T, Fulford Co. (U.K.), LTD., Cornwall Road, Hatch End, Middlesex.

1	Yardley	Satin-lined beauty case containing treatment products from Yardley's new range with eye make-up and compact	14426	83s	2 d
2	Thermos	Vacuum jugs with adjustable stoppers. Fitted with moulded plastic casing in choice of colours	56/1 (23-oz.) 56/2 (40-oz.)		11d
3	Brokers	Jergens hand lotion in "classic beauty" Christmas pack, capped with pump "dispenser" 10 fl. oz.		12s	6d
4	Franks	llona handbag perfume spray, with base of porcelain or cut glass and decorated with hand-painted flower motifs			11d
5	Cussons	Royal Guard hair cream, shave lotion, shaving bowl and talcum powder for men Rhapsody gift set containing talcum powder, two tablets of soap and one aerosol hair spray	490 484	27s 15s	0q 0q
6	Richards	Gift box containing Personality Tabac after-shave lotion and pre-electric shave Cigar box containing Personality Tabac after-shave lotion, toilet soaps and talc	G33 G28	14s 19s	0d
7	Goya	Hinged-lid tray containing Golden Girl face powder, eyebrow pencil, mascara and lipstick. In black or brown shades Frenzy perfume, talc and soap in box	G952 G953 G811	18s 13s	9d 6d
8	Richards	Gift set containing Personality turtle-oil hand cream, four bath cubes and turtle-oil bath soap in Pink Orchid fragrance Gift set containing three tablets of Personality soap in Pink Orchid or Blue Haze fragrance	L6 51	1 1s 4s	
9	Goya	Hanging pyramid carton containing Cedar Wood for men after-shave, Cologne and talc Entice talc and six Entice bath cubes in decorated transparent fronted box	G992	11s 8s	
10	Ottowell	Kobler Compact single-head electric shaver "for the younger man"		129s	10d
11	5outhalls	Coffret containing large tin of Nívea creme, Nivea soap and Blue Velvet hand lotion	368 1103 264	5 s	5d
12	Isovac	Coffee travel bag containing two vacuum flasks		69s	114
13	Reckitt	Wonder 5et hair spray, and blue plastic styling comb in box		7s	3 d
14	Fabergé	Men's gift set (soap, creme shave and after-shave lotion)		85s	04
15	Fabergé	"Travel 3" kit (Cologne, talcum and soap). In Tigress perfume		3 0 s	04
16	Lancome	Box of twelve crackers each containing perfume	XM434	84s	04
17	Kodak	Brownie Vecta camera outfit containing camera, case and two rolls of Verichrome Pan film (127)	,	42s	11d
10	Agfa	Gíft pack containing Agfa Iso-Rapid I camera, case, flash- gun, 6-volt battery, Isopan rapid film and five flash-bulbs		126s	0 d

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed

Coding Scripts

SIR,—May I say to E. C. Tenner:— The N.P.U. without a doubt
Would prefer it with the "s" left out.
One Bishop per diocese—Sire, please! D. I. TUDDENHAM, Bath

To Streamline the Operation

SIR.—The National Pharmaceutical Union recently circulated details of the Avery A58 pricing machine. Does any reader know of a similar machine which will "shop-address" at the same time? It seems ridiculous to me that P.I. poisons should have to have two tags affixed thereon!

R. D. GAIGER. North Cheam, Surrey

Anybody's Guess

SIR, — After all the discussions, arguments, facts and figures from the A.I.C., interviews with the Ministry, it all boils down finally to guesswork! At twopence a time I can hardly consider it to be inspired guesswork either, and I am left wondering what would happen if the miners, engineers and dock labourers were paid on a similar basis. re! G. L. BEET, Morecambe, Lancs What mugs we are!

Smoke Screen or Real Gem?

SIR,—Dr. R. D. Hill, of Nicholas Products, Ltd., has put a very fancy smoke screen for his masters, to cloud the main issue of objectionable Aspro advertisements. The main issue is that chemists do not want to have their prestige used to boost their expensive aspirin sold as Aspro. M. L. SMITH, London, N.4

SIR,—The Aspro spokesman's statement that most of Mr. Hutchinson's colleagues "appear to appreciate our endeavour to co-operate with the retail pharmacist during this important period" (C. & D., October 31, p. 450) is a real gem. If ever THE CHEMIST AND DRUGGIST decides to run a "This England "column*, I will send in the cut-ting and be sure of winning half a guinea. "MUGWUMP-159" (*As in the New Statesman).

Codes and Conduct

Sir,—With regard to the pricing of private prescriptions as discussed by E. C. Tenner last week (C. & D., October 31, p. 452), I feel he is correct in assuming that all private scripts for preparations which cannot be bought over the counter should carry the scale fee of 2s. 3d., etc. That includes scripts for "the pill." Further, I feel that each pharmacist, whether he be proprietor, manager or assistant, should be held responsible for the implementation of the code, and that the Society should take action, through its Statutory Committee, over any breach of the code by any individual member, regardless of who he is, or for whom he works! Action of this sort in a few "test" cases would quickly make all other pharmacists realise that the Council meant business! BRIAN G. SPENCER, Sutton Coldfield, Warwicks

"Fringe" Outlet

SIR,—I hope that you will allow me to make one point in reply to the letter of Mr. Baker of J. C. & J. Field, Ltd. (C. & D., October 31, p. 449). I do not intend to argue if my local barber's shop is a good-class toiletry and beauty requisite business but I would like to draw attention to Mr. Baker's description of it on the telephone to me. He called it in a beautiful, but very widely interpreted, phrase "a fringe outlet." That, it seems to me, just about sums up their policy of distribution.

J. BADYAN, Queensbury, Middlesex

Over-anxious?

SIR,—Following an offer of capsules of chlordiazepoxide at a price much less than that of Librium, I received a large card from the makers of the latter pointing out that Librium is covered by Patent (U.K.) No. 864824. This was followed by a whole-page announcement in The Chemist and Druggist which commences "For the relief of anxiety and tension" and then goes on again to tell me Librium is covered by a U.K. patent. May I suggest that, for the relief of their anxiety and tension, the makers of Librium try a dose of Librium?

C. H. PATRICK, Twyford, Berks

How Profitable?

Sir.—May I recommend fellow pharmacists to check manufacturers' statements about profit rates offered. In a circular about Eye Dew, the advertisement states that the bonus offer of twenty-four charged as twenty-two re-presents a profit of 21s. I am unable to make it more than 18s. This sort of misrepresentation happens too consistently for it always to be carelessness. I can only assume that very few others take the trouble to do the necessary sums.

C. R. THEWLIS,

Middlesbrough

[The C. & D. Q.P.L. gives the cost price at 30s. 10d. and purchase tax $7s. 8\frac{1}{2}d.$ per doz. So the profit on outlay, taking into account the bonus, is 18s. 8d. per doz.—EDITOR.]

What It Looked Like

Sir,—The following is a tracing of prescription presented to me one busy Wednesday morning:-

2oc Signedown a Thon

After reference to the C. & D. Quarterly, Unichem lists and the supplements to both, I rang up two wholesalers, but still got nowhere. I finally managed to contact the doctor, who told me it was a specialist's prescription, and as she couldn't read it, she wrote down what she thought it looked like. I asked for the specialist's name and rang the hospital with the details

and was told they would have to contact records and would ring me back, which they did. I then telephoned the doctor with the necessary information and also 'phoned the wholesaler in order to get it in time for that day's delivery. In all I spent about 1s. 6d, in calls and half an hour in time. One can do that sort of thing now and again but it can eat unnecessarily into Oh yes, the answer is one's time. Synandone.

DOCTOR'S "HANDMAIDEN"

Misreported

SIR,—May we draw your attention to an incorrect statement which appeared in the summary of our paper, "Assay of Nux Vomica" (C. & D., October 24, p. 432). The sentence in question was "No substances interfering with the assay at 262 and 300 mμ were present in the final solutions, such as are found using the B.P.C. Assay." At no time in presenting the paper did we state that there were substances in the final solution which interfered with the B.P.C. assay. Indeed the evidence is that both the B.P.C. and our method gives an excellent separation of the alkaloids from the bulk of MISS H. M. PERRY, the sample. M. L. SHEPPARD, London, N.1

[Apologies to the authors for the error, which arose from a misinterpretation of a reference in the paper.-EDITOR.]

"Come Off That Fence!"

SIR,—We have just seen a statement on price cutting which appears to be hardly worth the paper it is written on for its final conclusions are "every man for himself." The Society strives to raise professional standards. It insists that blatant notices of price cutting will not be allowed—yet it is not necessary to examine the windows of a local multiple with a microscope to see a notice boldly proclaiming "Nine-pence off—now 2s. 9d.—exclusive to" Apart from the difficulty of deciding what ninepence off means now that there is no fixed price, what right have they to claim "exclusive to . . .? 1 know of at least two cut-price merchants in this city selling at that price. Could it be considered an attempt to mislead a gullible public? Sometime someone on the Society's Council has got to get down off the fence and say either, "Yes, you can cut prices" with no strings attached (scripts at 1s. 11d.?) —in which case many pharmacies would close and the National Health Service would be poorer for it (the new N.H.S. remuneration settlement suggests that some want the smaller units to close down), or to say "No-you may not price-cut— it is unethical and dangerous to health," in which case every pharmacy in the land would have to toe the line—including the big boys and the wide boys. The time to take a stand is now. D. J. COLEMAN,

Norwich

Yours is the most important shop she enters...

The pharmacist's contribution to the Social Services is vital. Without you the health of the nation would suffer. But dispensing is only part of the job. You are frequently friend and counsellor to your customers, particularly the old people, who regard the pharmacy

as the most important shop they enter. For them, Vitamins Limited, Britain's leading specialists in this sphere, provide a comprehensive and dependable range of preparations that you can rely on implicitly. For prescription and counter—Vitamins from Vitamins Limited.

JUVEL is designed for, and especially suited to, the needs of the elderly. **OROVITE** helps to ensure speedier recovery for those in convalescence.



Swingin's ales from new Sunsilk Hairspra

Starting this Autumn your sales of Sunsilk Hairspray—the only one with Dicryn—will swing higher, higher, higher! Because new Sunsilk Hairspray has new advertising too.

On Radio Luxembourg a tremendous new commercial—with the *grooviest* jingle—will be heard on Top Twenty, Monday Night Special and The Pete Murray Show giving, in the 16-24 age group,

17,000,000 impacts

We're giving a Party-time offer of 2/6 off the long-lasting size aerosol. (Ask our representative all about it).

And this, too, gets its own mention in 7-second spots in an intensive campaign on Radio Luxembourg.

The jingle will also be heard on Radio Caroline.

This fab full-page full-colour advertisement will be seen in Honey, Vanity Fair, Photoplay, True Story, True Romance, Woman's Story and Woman's Own Hair Booklet. And that means,

10.469,000 impacts

CASH IN ON THE SUNSILK NAME—SUNSILK HAIRSPRAY IS SUNSILK SHAMPOO'S FAST-GROWING KID SISTER! STOCK SUNSILK HAIRSPRAY NOW





THINK SMALL

FOR BIG PROFITS



PROVED SUCCESS!

Fast-selling Vaseline Liquid Shampoo in the handy 1½ oz bottle is now joined by . . .



NEW!

Handy-size Vaseline
Cream Shampoo, and . . .



NEW!

Handy-size Vaseline Medicated Shampoo

ALL WITH SPECIAL 2d OFF OFFER

AND UP TO 35% PROFIT ON RETURNS FOR YOU



For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE: CENTRAL 6565

Team Work at its Most Productive

THE unique collaborative work fostered by the National Research Development Corporation in universities and Government laboratories and extended in the laboratories of pharmaceutical manufacturers has resulted in the commercial introduction of a derivative of cephalosporin C, which becomes available to prescribers on November 9 (see p. 469).

Indications that a medically useful product would be forthcoming from the cephalosporin project was revealed in the Corporation's most recent (1962-63) annual report (see C. & D., January 18, p. 59). The Corporation has sponsored the cephalosporin project since 1953, and has obtained world-wide patent protection for the inventive work carried out in the Oxford University and Medical Research Council laboratories. It has issued licences to a number of pharmaceutical companies in the United Kingdom, providing the basis from which the new product has been developed.

The early experimental work on cephalosporin C was carried out at the Sir William Dunn School of Pathology, Oxford University, under Professors Howard Florey and A. P. Abraham, and at the Medical Research Council's antibiotic research station at Clevedon, Somerset, under Mr. V. K. Kelly. The Oxford workers started by following up a lead obtained by Professor Brötzu in Italy that a particular Cephalosporium mould produced antibiotic activity, and from their work it emerged that the organism produced several separate antibiotics of three distinct types (originally called cephalosporin P, N and C respectively). Cephalosporin C excited most interest, since its properties suggested that it might deal with some infections resistant to penicillin. Later work at Oxford resulted in the isolation of cephalosporin C and the identification of a close chemical relationship between it and the penicillins.

The full chemical structure of cephalosporin C was determined, followed by the identification and the production for the first time of its "nucleus." It was found that the "nucleus" could be chemically modified at two points in the molecule, resulting in some compounds of much greater antibacterial potency. The new antibiotic Ceporin represents such a product.

The chemical structures of cephalosporin C and its nucleus were confirmed in x-ray crystallographic studies by Professor Dorothy Hodgkin, F.R.S., and her colleagues at Oxford University, the technique used being the same as that which gained for her the Nobel prize in chemistry (see p. 469).

The N.R.D.C. provided financial support for the research and development programmes and in 1956 it arranged with Glaxo Laboratories, Ltd., to participate in the work. At first the company tackled the problems involved in larger-scale production of the antibiotic, subsequently taking out a manufacturing and selling licence. At an early stage the Corporation recognised that the technical area for research and development on the cephalosporins might well be as large as that for the penicillins so, when approaches were made by important American and other pharmaceutical companies wishing to carry out research and development work to lead to new pharmaceutical derivatives of cephalosporin C, it entered into appropriate licence arrangements under which the Corporation became entitled to a "feed back" of patent rights and related scientific and medical information for the benefit of the Corporation's British licensees. Those arrangements proved fruitful, for one of the American licensees (Eli Lilly & Co., Indianapolis) discovered a much improved method of converting cephalosporin C to its "nucleus"—a method that has been of great importance to subsequent developments.

Thus Ceporin is not merely a new product with certain therapeutic advantages. It may also be regarded as one of many potential end-points of collaborative research by a variety of agencies. That is a considerable achievement. An even more valuable outcome may lie in the advantages to be gained from the experience of all who have contributed to the project.

"Freedom" or Fallacy?

"Abandon the shop closing law and let shopping freedom reign"—that is the unexpected call of the Local Government Chronicle. A leading article in that paper, which has a considerable following among local-government experts, makes a surprising assessment of the situation. It asserts that the days when it was necessary to have legislation to prevent the exploitation of shop assistants have gone, and that "an experiment in freedom" is now proper.

The author of the leader points out that no one has yet succeeded in producing a rational Shops Bill. In spite of the vigilance of the members of the Institute of Shops Acts Administration, he declares the law is now widely broken and ignored. "We see no need, in modern conditions, to throw a sepulchral shroud over the main streets of our towns and villages on one afternoon a week. . . . Shop assistants are well able to look after themselves and so are their employers. . . . No party at the election proposed the entire repeal of the Shops Act. We have lived with its absurdities for so long that they are part of the British way of life. What a change it would be if a Home Secretary took his courage in both hands and simply proposed the outright repeal of this restrictive legislation."

Such reasoning causes us uneasiness. The fact that desirable legislation may be complex or difficult to frame is not a sufficient reason for abandoning the attempt. Certainly legislation that is unenforceable is foolish, but that is far from being the situation over the shop-hours legislation which, despite loopholes, has brought both justice to employees and a new freedom to proprietors. If, in the changed conditions since the statutes were enacted, minor hardships to customers have arisen, the task should not be beyond the wit of

legislators to ease the burden without sacrificing the principle. Human nature, it may be said, changes at a slower rate than the structure of society, and safeguards against exploitation, whether of employees by employers or of proprietors by more powerful or more favourably placed competitors are, we believe, still necessary and likely to remain so.

If it is essential to have controlling legislation in factories, mills, the use of the public roads or the consumption of liquor or potent substances, then the conditions of retail trading, which is one of the largest industries in the United Kingdom, equally need to be regulated—of course always in the long-term interests of the community rather than any subsection of it.

Onward from Galen

★ CUT-PRICE PARADOX ★

Is it inevitable that price-cutting by a neighbour takes the profitability out of a pharmacy? Not always, it would seem. I was speaking the other day to a proprietor whose pharmacy is only separated from market stalls by the width of a pavement. For years, he tells me, the stall-holders have been cutting the prices of many of the goods he sells. Maybe the bulk of his turnover is in other classes of product, but not all. He has still managed to find customers at the recommended or nominal price. Another pharmacist runs two retail shops in North London, both close to Woolworth stores and other cut-price establishments. His policy has been to ignore the lower-priced cosmetics, etc., and to concentrate on the more expensive products. Stocking more of them and displaying them to better advantage has shown handsome dividends, and business has increased at both pharmacies. It would seem that the problem can be overcome, though, of course, the real crunch has yet to come.

★ RETIRED AT EIGHTY-FIVE IN 1953 ★

"You get some funny old customers," is a remark sometimes heard. "But I have a customer," writes Mr. Frank



Haley, M.P.S., "who is possibly the oldest of any-he was ninety-six on August 13—who is certainly as active as they come, and who made his living for sixty years on the stage by being funny. Mr. Alphonse Lotinga willingly posed for my camera, and I think the result shows him as alert and nippy as I have often seen him. Mr. Lotinga was the son, in fact one of five sons, of a man who started a shipping business in Leadenhall Street, London. Not

one of the five followed in father's footsteps. All went on the stage, changing their name to 'The Five Brothers Luck' and aiming at 'belly' laughs from their first show at Lovejoy's Theatre, Peckham, in 1890. Fresh of complexion, erect of bearing, Mr. Lotinga is one of the pleasantest customers to serve, yet those shrewd eyes of his miss little. He complains only that doctors warn him of hardening arteries and advise against unduly swift movements. As he normally walks at a rapid pace, either he has cut down from running, or else he ignores his medical advisers. Listening to him reminisce is well worth while. How many customers—how many people otherwise?—does one know who date back so far, are so vividly in the present, and can claim that they knocked off working in 1953 at the age of eighty-five? Agreed, Mr. Lotinga's brothers all died

in their seventies, but Mr. 'Luck' Lotinga survives to liven up the day. I notice one little matter he does not touch on, his deaf aid apparatus—but his conversation is very much to the point whether he has it switched on or not."

NEW FILMS

Ever Yours

STANLEY SCHOFIELD PRODUCTIONS for Ronson Products, Ltd., 352 Strand, London, W.C.2. 16-mm. Colour. Sound. Running time 15 minutes.

WHEN 85 per cent. of children under five have at least one tooth missing, filled or decayed; when about 99 per cent. of people just do not know how to brush their teeth properly, and one in five adults do not have a tooth in their head, every attempt to improve dental health deserves to be supported by all pharmacists. In making the film "Ever Yours," Messrs. Ronson were horrified to learn that about half the school children in Britain do not even possess a tooth-brush, a situation that ought surely to be remedied. The department of preventive dentistry, Guy's Hospital, London, co-operated in making the film, which demonstrates how dental health in Britain could be vastly improved if children and adults looked after their teeth properly. Although the Ronson automatic tooth-brush is referred to in one short sequence, with the comment that, because of its high-speed and up-and-down action, it not only reduces the cleaning time but also gives instruction in the correct brushing action. The main emphasis of the film, in fact, is educational. It is on general dental hygiene and brushing techniques. A car radiator grill, a circus performer and a young girl have been skilfully brought together to tell the story of the advantages of correct dental hygiene. Copies of the film may be obtained on loan from the company for exhibition at branch meetings, etc.

Hand to Hand

WORLD WIDE PICTURES, LTD. (director: Michael Gordon). Bowater-Scott Corporation, Ltd., Knights-bridge, London, S.W.1. 16-mm. Colour. Sound. Running time 11 minutes.

THEME of this new film is that hands are probably the most important carriers of bacterial organisms. It describes an investigation (claimed the first in this country) into the bacteriological condition of various types of towels in every-day use in Britain—the communal roller towel, the individual hand towel, the mechanically "dispensed" towel and the paper towel. "Hand to Hand" reports the investigation made by a consultant bacteriologist and his staff. The towels were taken from offices, restaurants, kitchens, cloakrooms, etc. Roller towels taken from kitchens showed high bacterial counts, with the dangerous coagulase-positive staphylococci and E. coli sometimes found. Hospital towels tended to have very high total counts, one in a surgery being much the worst contaminated. The moral pointed is that disposable paper towels are safest for public health. "Hand to Hand" is available free on loan.

Chronic Bronchitis-the English Disease

Lederle Laboratories division, Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2. 16-mm. Colour. Sound. Running time 22 minutes.

MANY aspects of bronchitis and emphysema are fully, yet simply, illustrated by this film, which sets out to increase the general practitioner's awareness of the need to recognise and treat the condition in its earlier stages and to instil that awareness into his patients. The factors mainly associated with the causation of chronic bronchitis are described, with particular emphasis on the rôle of smoke, both from cigarettes and from atmospheric pollution. Progress of the disease through three recognisable stages is followed by reference to patients in each stage—the first showing a cough as his only symptom, the second shortness of breath and diminished exercise tolerance, and the third dyspnæa and cvanosis. The laboratory tests used in diagnosis at the various stages and the treatment required or available, both domiciliary and hospital are shown, together with microscopic and diagrammatic illustrations of the psysiology and pathology of the tissues affected. However, prevention is better than cure, and the film points out that the answer lies in the hands of the individual—and his doctor.



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By improving both outlook and appetite, METATONE* helps to promote a full recovery of normal vitality after influenza and other debilitating illnesses. It is acceptable to older children as well as adults. Metatone combines Vitamin B_1 and strychnine with mineral glycerophosphates. In bottles of 8, 16 and 80 fl. oz.

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NATIONAL PHARMACEUTICAL UNION

Meeting of Executive Committee

IT was reported to the N.P.U. Executive Committee at its meeting on October 28 that the proposals from the Ministry of Health for revised medicines legislation included a number of fundamental changes in the rights of pharmacists to manufacture and supply medicines. A number of changes which the Executive considered essential to protect the interests of retail pharmacists were put forward, and agreement was reached on the appropriate representations to be made to the Ministry of Health. A small deputation was appointed to meet the Ministry to discuss the proposals.

The Executive considered correspondence with the Pharmaceutical Society about proposals made by the N.P.U.. Company Chemists' Association and the Co-operative Union for training retail pharmacy assistants. Concern was expressed over the length of time the Pharmaceutical Society's Council was taking to consider the suggestions. and it was agreed to ask for an early meeting of the Liaison Com-

mittee to discuss the matter.

Five-day-week Problems

The problems faced by members now that some sections of the retail distribution were offering a five-day week to staff were discussed. The suggestion that shops could close for one complete day in each week in addition to Sunday was considered in that context. In the view of the Executive no pharmacy could provide an adequate pharmaceutical service if it were closed for two days in the week. It was therefore the opinion of the Committee that, if a five-day week for staff became necessary, it must be given within the framework of the N.H.S. hours-of-service scheme by the use of increased staff. If that became necessary in any significant number of areas, the Central N.H.S. (Chemist Contractors) Committee would press for an increase in N.H.S. remuneration, since the cost of providing the pharmaceutical service would inevitably rise.

Proposals put forward by the trade union side of the National Joint Industrial Council for revising the J.I.C. Agreement salary scales for pharmacists were discussed, and proposals to be considered by the employers' side were agreed.

The secretary was reported to have had discussions with the managing director and other directors of a manufacturing company of ways and means by which the company could co-operate for the benefit of N.P.U. members. It seemed possible that co-operation in the production of sponsored products might develop.

A number of Revlon agents were reported concerned about the terms of the contract at present being offered to them by the company. It was agreed to include in the *N.P.U. Supplement* a note aimed at identifying members with Revlon agencies, so that the extent of the problem could be discovered.

The terms of an advertisement for a proprietary medicine were considered.

Although, in the opinion of the Executive, the content of the advertisement left much to be desired, it was agreed that the Pharmaceutical Society was the proper body to make representations to the manufacturer concerned; it was understood that the matter was already in their hands.

The Executive considered further the outcome of discussions with the Scottish Pharmaceutical Federation on ways in which the two organisations could co-operate to the mutual benefit of retail pharmacists in England, Wales

and Scotland. It was hoped that full details of proposals would be made available to all concerned in the near future

The Executive considered a report from the secretary that the present offices were not sufficient to accommodate the present staff and to comply with the provisions of the Offices, Shops and Railway Premises Act. Plans in hand for additional services to N.P.U. members made it essential that extra office space should be made available in the near future to accommodate the extra staff required. A small subcommittee was formed to examine the problem and to submit proposals to the N.P.U. Executive Committee.

LONDON EXECUTIVE COUNCIL

Annual report for 1963-64

THE need for complete control of the sale of medicines and of ensuring they are only available through pharmacists, who are trained and qualified to dispense them, is emphasised by Mr. Alan Aldington (chairman, London Executive Council) in his foreword to the Council's annual report for 1963-64. Referring to the Council's concern over the problem of drug addiction and of the number of thefts or alterations of prescription forms to obtain supplies of addictive drugs, Mr. Aldington says the problem has reached serious proportions. The Council has records of nearly 500 cases in which members of the public had tried to obtain drugs by illegal means. He urges both doctors and pharmacists, who have co-operated loyally with the Council in its endeavours to stop the illegal flow of drugs on N.H.S. prescription forms, to be even more vigilant and careful in the future, doctors to see that prescription forms are kept under lock and key and pharmacists "to keep an eagle eye open for for-

An Enlarged Council

On the future pattern of the Executive Councils in the London area, Mr. Aldington says the Council welcomes the Minister of Health's provisional suggestion that its area should remain almost unaltered, and that the number of members of the Council should be increased from twenty-five to thirtynine in order to give each of the inner London boroughs one lay representative on the Council. He warns, however, that liaison between thirteen local health authorities will involve more complicated administration than has hitherto been necessary. Once the pattern of Executive Councils is determined, serious consideration will have to be given, says Mr. Aldington, to the question of office accommodation, as the present building at Insurance House is inadequate.

The report includes a special article on chemists' hours of service. On March 31 the Council's Pharmaceutical List included 992 pharmacies, fifteen drug stores and 137 surgical appliance suppliers—reductions of seven pharmacies, eight drug stores and twenty-four surgical appliance suppliers during the year. The report adds "The number of pharmacies is 102 less than in 1949-50

and the two main factors in this reduction are the very high rents now being charged for shop premises in London and the shortage of pharmaceutical chemists.

After falls in the number of prescriptions dispensed in 1961 and 1962, the number for 1963 showed a moderate increase to 15,711,717. Average cost per prescription was 97·78d. The numbers of tests arranged under the drug testing scheme during the year 1963-64 were: Drugs and proprietary preparations, 487; appliances, 101. Mixtures and tablets accounted for 60 per cent. of the drugs taken for testing. 427 of the drug and seventy-four of the appliance samples were passed as satisfactory, and twelve drug and three appliance sample reports were referred to the Pharmaceutical Service Committee.

During the year the Pharmaceutical Service Committee considered twenty cases. two of which resulted from complaints by members of the public. In the fifteen cases where a breach of terms of service was found the Council's decisions were:—

No further action, two cases. Caution, no monetary withholding, five cases (though in two of them the Minister of Health imposed withholdings of £5 5s, and £3 3s, respectively).

Caution and monetary withholding, six cases; one of £5 5s., four of £2 2s. and one of £1 1s. (increased by Minister to £5 5s.).

Breach, censure and withholding, two cases, each of £3 3s. (subsequently varied by the Minister to breach, caution and no monetary withholding).

A financial statement included in the report shows that, of every £1 expenditure incurred by the Council, the pharmaceutical services were responsible for 5s. $6\frac{3}{4}$ d., the general medical services for 6s. $4\frac{1}{2}$ d. and the dental services for 6s. $9\frac{1}{4}$ d.

WORLD SYMPOSIUM

TWENTY-seven leading world ophthalmologists recently attended a three-day international symposium on glaucoma organised by the glaucoma clinic of Moorfields Hospital and the department of pharmacology, King's College, London, in association with Smith & Nephew Pharmaceuticals, Ltd., and held at the headquarters of Smith & Nephew Research, Ltd., Harlow. Essex.

SCOTTISH DEPARTMENT EXECUTIVE

Dissent from Council's reconstitution proposals

THE principal proposals for a reconstitution of the Pharmaceutical Society's Council were rejected at a meeting of the Executive of the Scottish Department in Edinburgh on October 14. The chairman (MR. J. W. GOODCHILD) said that the views which were coming forward from branch discussions were somewhat contradictory. While the reasons for suggesting the addition of three academic members to the Council were appreciated, it was was felt that their contribution would be greater as co-opted members of the Education Committee. After further discussion it was resolved

"That this Executive is not in agreement with the suggestions made for reconstitution of the Council regarding the nomination of three members from the teaching institutes or the election of a hospital pharmacist, an industrial pharmacist and a superintendent of a co-operative society and a public company."

The Executive supported the proposals that candidates standing for election as national members should be nominated by any five members of the Society; that no candidate should be over the age of seventy at date of election; and that the immediate past president should be an additional vice-presi-

It was reported that the Rural Areas Committee had met on September 2, to consider the provision of dispensing services in the areas of Creetown, Newton Stewart, Wigtowns, and Plains, Aidrie, Lanarks. Mr. A. Cowan said that the Committee had found it comparatively easy to deal with cases in which closure of a pharmacy had been notified, but the question of providing a pharmaceutical service in expanding areas was more difficult, and the Committee would welcome some guidance, going beyond Dr. Macmorran's talk on the limitation of pharmacies (see C. & D., July 4, p. 4), as to what constituted a satisfactory pharmaceutical service.

Returns from the Scottish schools of pharmacy were reported as showing enrolment figures for the 1964-65 session as:-

Aberdeen Edinburgh Glasgow

First Year

41(46) 63(65) (Entrance) 32(28) Second Year 21(15) 46(29) 46(46) 29(30) 26(29) Third Year 15(18) 25(35) Fourth Year 16(14) 28(26) Figures in parentheses are for session 1963-64.

Owing to lack of accommodation, eight first-year and nine second-year students had had to be refused at Aberdeen and ten second-year students at Edinburgh. At Glasgow forty-five students had been refused for other reasons or had applications pending. The number of stu-dents resident in Scotland who had so far been registered as "students" of the Society in 1964 was thirty-one (fifteen of them female).

During a discussion on "The Manpower Position in British Pharmacy" (see C. & D., August 8, p. 120) it was noted that the report provided a basis for many inquiries on details of pharmaceutical practice. Mr. J. B. Grosset said the Practice Committee would consider the report in detail and would

issue a full report in due course and it would be available to the Executive for discussion.

The redecoration and repairs to 36 York Place were reported completed, including carpeting in the lecture hall. Members were unanimous that the no smoking rule in the hall should be maintained. It was agreed that the Scottish Department should hold a biennial dinner to which representatives of other professions would be invited.

THE CHAIRMAN reported briefly on the British Pharmaceutical Conference held in Edinburgh in September.

BRANCH EVENTS

EDINBURGH

"No" to Reconstitution

THE proposals for reconstituting the Pharmaceutical Society's Council were rejected by the Edinburgh and Southeastern Scottish Branch of the Society at its first meeting of the 1964-65 session. The case for the changes had been put before the members by MR. J. B. GROSSET (a member of Council), but after full discussion, a resolution opposing the proposals was passed unanimously. Opening the attack MR. G. Drummond suggested that the idea of the whole membership "voting" for candidates nominated by sectional interests was "a curious procedure." At present, he said, educational opinion was available to the Council at the level of the Education Committee. Was it now proposed that that valuable help should be given up in favour of three actual members of Council? It should be noted that the proposals meant a doubling of the number of nominated members of Council and that the four seats to be allocated to sectional interests were to be "seats as of right." Speaking of the reasons advanced for the inclusion of sectional representatives he said "We accept that they have special interests. We accept that they are minority sections unable by their own votes to secure election. But that situation is not strange to us in Scotland, for there are not sufficient votes in Scotland to secure the election of a Scot to the Council, yet Mr. Grosset has appealed to the whole electorate successfully on two occasions." The 1964 Council election had shown that belonging to a minority section was not an insuperable barrier to success at the polls. "But we retain the right to remove as well as to elect." The most controversial suggestions were those for the appointment of superintendents of Co-operative societies and public companies. In the words of the pro-posal that would "be a link with pharmacy ownership which is by its nature non-pharmaceutical" and "ensure that the interests of the owners have a channel of expression in the Society," "Why." asked the speaker, "should an ownership which is nonpharmaceutical have a channel of expression in a professional society of pharmacists?" MR. MYERS, Edinburgh, said that the Council could be more effective if it possessed greater

Nuffield Provident Society, starting at the renewal date of October 1, 1965. MR. D. F. LEWIS, who was present deputising for Dr. Macmorran who was absent owing to illness, was warmly welcomed. It was agreed to send good wishes for a speedy recovery to Dr. Macmorran and to Mr. F. Hepburn, who was recuperating from injuries resulting from a motoring accident.

Members heard that the Council of the Society would be charging an ad-

ministration fee of 5s. (to be added to the annual subscription) to each mem-

ber of their group in the British United

Provident Association. It was agreed

that the Scottish Department should add

the same fee to the annual subscriptions

of members of the group in the Scottish

powers to discipline its members. Mr. PATTERSON, Edinburgh, pointed out that no mention had been made of women on the Council, yet it had been shown at the last Council election that women could secure election if they so desired. If persons became members of Council by nomination and not by democratic election there was a likelihood of their being subject to pressures outside pharmacy. MR. H. CAMPBELL, Edinburgh, considered the present size of the Council satisfactory. Unduly to increase its size might result in an unworkable body.

FINCHLEY

Election Night Dance

THE Finchley Branch of the Pharmaceutical Society began its 1964-65 season with a dinner and dance in Southgate, on October 15, 120 members and guests being present. As the prearranged date coincided with that of the general election, a television set was installed so that those interested could keep abreast of the results as they became known. The occasion had a personal significance for the chairman (Mr. J. C. Bolton) and his wife when a large and beautifully decorated birthday cake was presented and cut in honour both of their silver wedding and of Mr. Bolton's birthday, which had occurred the previous day. Guests of the Branch were Mr. J. C. Hanbury (chairman, Allen & Hanburys, Ltd.), who proposed "The Branch" and Dr. J. D. Russell (medical officer of health for Finchley) who replied to the toast "The Guests" proposed by Mr. J. Hadgraft, Branch vice-chairman. A tombola brought in over £20 for the Benevolent Fund.

LIVERPOOL

Visit to Car Factory

TWENTY-FIVE members of Liverpool Chemists' Association visited the Ford Motor Co., Ltd., factory at Halewood, Liverpool, recently. The party had assembled at Speke Airport and were conveyed by motor-coach to the factory, where they saw the whole process of manufacture, from the stamping out of the body sections to the testing of the finished cars. Refreshments were provided by the company. Earlier Mr. D. Rees had presented the Association prize for best student in forensic science to Miss E. M. Forbes,



GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 484.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, November 7, 1964

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HYASORB tablets

Manufacturer: Berk Pharmaceuticals, Ltd., 8 Baker Street, London, W.1.

DESCRIPTION: White, speckled, sustained action tablets marked "KEY" on one side, each containing 250,000 units (150 mgm.) of penicillin G. "The tablets contain pellets which disintegrate in a timed release sequence, maintaining therapeutic serum levels for up to eight hours.

INDICATIONS: Tonsillitis; otitis media; infections of the respiratory tract, throat and nasal sinuses; acute pharyngitis; soft

tissue infections.

CONTRAINDICATIONS: Known penicillin sensitivity.

Dosage: Adults: Two tablets eight-hourly on the first day, then two tablets every twelve hours. Children: One tablet cighthourly on the first day then one tablet every twelve hours. STORAGE: Should be stored in a cool place.

How Supplied: In foil-wrapped packs of twenty and 100. Supply Restrictions: Therapeutic Substances Act.

FIRST ISSUED: October 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, November 7, 1964

NORMAX capsules

MANUFACTURER: Horlicks, Ltd., pharmaccutical division, Slough, Bucks.

DESCRIPTION: Soft, brown gelatin capsules, each containing 60 mgm. of dioctyl-sodium sulphosuccinate and 50 mgm. of 1,8-dihydroxyanthraquinone.

INDICATIONS: Treatment of functional constipation in children and immobilised patients; constipation in geriatric practice and pregnancy. Also in preparation for surgical and radiological procedure.

CONTRAINDICATIONS: In cases of undiagnosed abdominal pain or when obstruction of the small or large intestine is

Dosage: Adults, one or two capsules; children (6 to 12 years), one capsule. Should be taken at night for two or three days or until bowel function is restored.

How Supplied: In bottles of thirty and 250.

First Issued: October 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, November 7, 1964

NORVAL capsules

Manufacturer: Horlicks, Ltd., Pharmaceutical Division, Slough,

DESCRIPTION: Soft, pink gelatin capsules, each containing 60 mgm. of dioctyl-sodium sulphosuccinate. Fæcal softener.

INDICATIONS: Hæmorrhoids, hæmorrhoidal bleeding and whenever softening of fæcal matter is desirable.

Dosage: Adults, one or two capsules should be taken at night or as prescribed.

How Supplied: In bottles of thirty and 250.

First Issued: October 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, November 7, 1964

VARIOTIN ointment

Manufacturer: Leo Laboratories, Ltd., 15 Clipstone Street, London, W.1.

DESCRIPTION: An antifungal antibiotic obtained from the culture fluid of Paecilomyces varioti banier var. antibioticus, presented in a neutral ointment base in a strength of 3,000 units per gm. (1 unit = minimum amount in 1 mil required to inhibit growth of *Penicillium chrysogenum* Q-176 in Czapek-Dox agar medium).

INDICATIONS: Fungal infections of skin, nails and scalp.

METHOD OF USE: Should be applied freely to the affected area two to three times daily. To prevent recurrence, treatment should be continued for some time following the disappearance of the lesion.

STORAGE: Should be stored in a cool place.

How Supplied: In tube of 10 gm. FIRST ISSUED: October 1963.

MILTOWN S-R capsules

Manufacturer: Wallace Laboratories, Wear Bay Road, Folkestone, Kent.

DESCRIPTION: Blue-topped, sustained-release capsules, each containing 400 mgm, of meprobamate, Tranquilliser.

INDICATIONS: Anxiety and tension states; as an adjunct to the treatment of a number of conditions in which anxiety is a prominent symptom or a contributory factor.

Dosage: Adults: One or two capsules in the morning and again at bedtime. For insomnia, two capsules before retiring.

PRECAUTIONS: Care should be exercised with patients prone to the excessive drinking of alcohol. Strict supervision of dosage and length of treatment should be maintained.

How SUPPLIED: In pack of thirty capsules.

SUPPLY RESTRICTIONS: P.I, S.4B. FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, November 7, 1964

UROKINASE ophthalmic

Manufacturer: Leo Laboratories, Ltd., 15 Clipstone Street, London, W.1.

DESCRIPTION: Ampoules, each containing 5,000 Ploug units of urokinase in a sterile lyophilised tablet. The tablet is dissolved in sterilc ramal saline before usc.

INDICATIONS: Hyphæma (blood clot in anterior chamber of eye); evacuation of clotted material obstructing drainage of acqueous humor, e.g. blood or fibrin.

Contraindications: Presence in anterior chamber of eye of gross tissue lesion which might possibly give rise to bleeding if subjected to active fibrinolytic activity.

METHOD OF USE: Up to 5,000 units by infusion into the anterior chamber of eye.

STORAGE: Should be stored at 4°C. and protected from light. How Supplied: In ampoule of 5,000 Ploug units.

SUPPLY RESTRICTIONS: Recommended on prescription only.

FIRST ISSUED: November 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, November 7, 1964

ERGODRYL capsules

Manufacturer: Parke, Davis & Co., Staines Road, Hounslow. Middlesex.

DESCRIPTION: No. 3 size capsules with pink opaque body and dark green opaque top. Each contains 1 mgm. of ergotamine tartrate, 100 mgm. of caffeine citrate and 25 mgm. of diphenhydraminc hydrochloride (Benadryl). Vasoconstrictor.

INDICATIONS: Symptomatic relief of migraine and histamine cephalalgia (Horton's syndrome).

CONTRAINDICATIONS: Pregnancy; peripheral vascular disease, angina pectoris, hypertension, severe arterio-sclerosis and hepatic or renal disease.

Dosage: One capsule at the first warning of an attack. If the headache persists an additional capsule may be taken every thirty minutes to a total of six. Not more than ten capsules should be taken in any one week. Adolescent dosage: One capsule, repeated, if necessary, in thirty minutes. Maximum dose for any one attack should not exceed two capsules. Safe dosage in pre-adolescent children has not been established.

SIDE-EFFECTS: May cause drowsincs in certain persons.

How Supplied: In packs of ten and 100.

SUPPLY RESTRICTIONS: P.I, S.1. First Issued: October 1964.

AMENDMENTS

DECA-DURABOLIN and SUSTANON injections

Manufacturer: Organon Laboratories, Ltd., Crown House, London Road, Morden, Surrey,

DESCRIPTION: Now also available in Orgaject disposable syringes.

First Issued: October 1964.

RECENT RESEARCH

DECOMPOSITION of vitamin A and β -carotene in some commercial hydrogenated vegetable oils has been found to occur more rapidly at refrigerator and freezer temperatures than at room temperature. Mr. E. Hayes and Mrs. K. A. Steele (Crookes Laboratories, Ltd., London), in a paper read at the First World Fat Congress in Hamburg, West Germany, on October 16, reported that samples of hydrogenated ground-nut oil containing vitamin A (~ 26 i.u...gm.) and β -carotene (~ 6 μ gm./gm.) lost all their β -carotene and 40 to 60 per cent. of their vitamin A when stored at -9°C. for two years, whereas samples stored at room temperature retained 100 per cent. of their vitamin A and 80 per cent. of their β -carotene. In a hydrogenated palmkernel oil, vitamin A and β -carotene decomposed much more rapidly at -6° C. than at 25°C.; at -6° C. the colour changed from yellow to green in about fifteen days. The rate of decomposition of β -carotene at different temperatures decreased in the order $+3^{\circ}\text{C.}$, -6°C. , $+25^{\circ}\text{C.}$, -35°C. , with a maximum between -6°C. and $+25^{\circ}\text{C.}$ Analysis of the deteriorated fats showed the presence of substantial amounts of anhydrovitamin A, but no trace of rancidity or peroxidation. A greenish-yellow decomposition product of β -carotene isolated chromatographically appeared to be an oxygen-containing carotenoid. The authors stated that the instability was probably due to the presence of a trace of some acidic catalyst in the fats, indicated by the formation of anhydrovitamin A, by the more rapid rate of reaction of vitamin A alcohol compared with vitamin A ester, and by a slower rate of decomposition in fat that had previously been washed with sodium hydroxide solution. The peculiar temperature dependence, they suggest, may be associated with crystallisation of the fat.

 \sim = approximately

Any Business Questions?

As the main shareholder and director of a private company, am I liable to pay graduated pension contributions on the Government's scheme?

As the controlling director of a private company you are treated as self-employed, and accordingly you do not fall within the graduated pension contributions scheme.

I intend to take my son, who is also a pharmacist, into partnership and to turn my business into a limited company. I have been informed that, under a new scheme now in force, a considerable saving in tax may be obtained when a partnership and limited company are eombined. I wonder whether you could give me any information?

It is thought that you have been misinformed, or have misunderstood your informant. Sometimes a cessation of an existing business—and that is what the formation of a company would bring about in your case—can result in a reduction of tax liabilities depending upon the profits of the last three years of assessment. Moreover the formation of a new business—and in your case the proposed company would be such a business—can be beneficial if the profits of the first year of trading are small. An accountant could advise on the details involved, but there is nothing new in the procedure.

I am a director of a company carrying on a pharmacentieal business. I have to go abroad shortly. Is it possible for me to appoint someone else to take my place while I am gone?

That depends on the articles of association of your company. Many companies do permit the appointment of alternative directors when a director must be absent for unavoidable reasons. Normally in those circumstances the alternative director's remuneration would depend upon arrangements between himself and the director for whom he was an alternative.

Can a partner leave his share of the partnership business to another person by his will?

THE position arising from the death of a partner depends upon the partnership agreement. Normally a deceased partner could not appoint another person as a partner by his

will. All he could do would be to leave his capital in the partnership to a beneficiary, and the manner in which that would have to be paid would depend upon the existing partnership agreement. If there were no agreement the personal representatives would be entitled to have the goodwill of the partnership business sold for the benefit of the estate, and in practice that would mean that arrangements would need to be made to buy out the deceased partner's share.

Should I employ a professional consultant before embarking on premises modernisation?

WHEN the question was put by Mr. F. Seiler (R. W. Bell. Ltd., Newcastle-on-Tyne) to Mr. A. J. Goodwin (Counterpoint Store Fitters, Ltd.), Mr. Goodwin replied as follows: "In the matter of study of pedestrian flows, proposed local development, new housing, income groups, shopping habits, etc., I do not think engaging a professional consultant would be of any great help to the individual pharmacist. After all, you spend most of your working life in the immediate area and have the best access to such information as housing development, city centre rebuilding, etc.. and can personally study customer habits. The important thing is to impart all this information to your shopfitter at the inquiry stage, in order that proper consideration can be given in designing to population growth and future sales potential, and the balance necessary between trading up and trading down, which is so important where supermarkets are making inroads. The shopfitter. who at this stage is in a sense a consultant, can then plan the shop giving every consideration to this information. and proceed to turn to advantage every sq. ft. of the shop, making sure that the various sections of retail pharmacy are proportionately adequate within the limits of the space available—that, for example, the dispensary occupies only sufficient area to enable it to function properly and not permit it to be, as is so often the case, the centrepiece of the picture at the expense of good turnover in other directions. At this point we are getting very near to a layout on which a figure may be placed. It is then important to discuss finances fully so that any possible economies necessary are looked at overall and are not a question of lastminute axing.

CHIPPINGS AND DROPLETS WASTE OF SKILL

From the C. & D., April 15, 1880.

THE struggle between those who insist on living and those who do not see the necessity is illustrated, as far as the struggle affects the dispensing chemist, by a letter from "A Young Chemist " in our correspondence columns. This gentleman has been in business a little more than a year in a populous industrial neighbourhood, and in the twelve months he has dispensed just twelve prescriptions. This, as he intimates, after an assistantship experience of perhaps some 100 prescriptions a day, is disappointing. To make his trade remunerative he has to deal in tobacco, paraffin, paints. and other articles foreign to the business of a chemist and druggist. That is a great deal wiser than resolving to avoid altogether the sale of anything which perchance one of his quondam West-end associates would have sneered at. But it is none the less a melancholy evidence of the waste of a good deal of intelligence and skilled training. This is very far from being an isolated instance. Half of the British chemists and druggists could be abolished. and the rest would hardly observe any noticeable increase of their dispensing. And yet many of those men who dispense but a prescription a month are perfectly competent to dispense a thousand. They have spent several years in acquiring that competence, and the acquirement is practically useless to them and to the world generally. A couple of hours would have sufficed to fit them for the duties which occupy the greater part of their time. We do not propose to refer to our correspondent's suggestion of a use for this wasted skill by the doctors who at present dispense for themselves. But in any case it must be a matter of regret that so much skill, which, if directed into a channel where it was needed, would add to the wealth of the world. should be so completely lost.

TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

London, November 4: After the chaotic conditions created by the imposition of the 15 per cent. import surcharge at the beginning of last week, the markets have been gradually settling down to business once again with spot prices mainly at higher levels to accommodate the extra tax.

As mentioned last week, importers ESSENTIAL OILS have protested against the tax on the grounds that the oils are raw materials; importers of MERCURY and IODINE have similarly protested on the same grounds. In the Crude Drugs section shortages are commonplace and prices reflect that scarce position of supplies. Chinese STAR ANISE advanced 20s, per cwt. In BALSAMS, CANADA, COPAIBA and PERU were dearer by varying amounts from sixpence to 2s. per lb. Aleppy green CARDAMOMS were one shilling per lb. dearer whilst Portuguese ERGOT was marked up to a new level of 13s. 6d. per lb. nominal for spot, with East European material cleared. Origin reported that they were unable to execute any further orders for whole-selected CASSIA LIGNEA. Shipment quotations for West Indian NUTMEGS were reported to be dearer. Dearer also among SPICES were most of the PEPPERS and TURMERIC. Some confusion prevailed at first as to whether the latter commodity was subject to the new tax since it did not appear among the list of spices but it was understood that a ruling was later given that it would escape the levy by virtue of being a foodstuff, Apart from the added levy on MENTHOL, the price at origin for Brazilian was raised and this, to some extent, affected Chinese material. Among Aromatic SEEDS, CUMIN was firm and prices steadily advanced for spot supplies in the absence of shipment offers. Seychelles CINNAMON BARK rose 20s. per cwt., on the spot.

Among essential oils most of the price movements were in an upward direction, Bois de Rose was ninepence dearer for shipment. Dearer per lb. on the spot were Calamus (up 10s.), Eucalyptus (ninepence), Spearmint (4s.), Buchu (30s.), Cumin (10s.), Lavandin (2s.) and Lavender (10s.). Exceptionally, Palmarosa fell by 5s. per lb. and Ceylon Citronella by fivepence for forward shipment. Formosan citronella was available ex-bond but it was reported that the quota for shipment was exhausted until the end of the year.

Prices of MERCURIALS have been withdrawn pending the Government's decision on mercury. It is understood that QUININE prices will be raised in the near future. A rise has been expected for some time now because of the scarcity of CINCHONA BARK, ANHYDROUS BORAX, which is an imported product, has been raised by £8 ls. per ton due to the levy. Other BORON products are produced in this country and remain unchanged. CALCIUM CHLORIDE was marked up by almost threepence per lb. Isoniazid, viomycin sulphate and pantothenate sulphate, and arecoline are included in a list of goods temporarily exempted import duty until the end of the year.

Pharmaceutical Chemicals

ACETANILIDE. — Crystals, one-cwt. lots, 2s 10d. per lb.; 5-cwt., 2s, 9d.

Arecoline.—Alkaloid, 51s. per oz. Benzyl benzoate. — B.P., in 1-ton lots,

4s. 6d. per lb.

Cantharidin.— Per oz. 222s. 6d. for 4-oz. lots.

CHALK.—Prepared powder B.P., £22 per ton for minimum 1-ton ex works.

Chloroform. — 35-litre lots in winchesters, B.P., 11s. $5\frac{1}{2}$ d. per litre; in drums, 10s. 7d.; 175-litre lots, 11s. and 10s. $1\frac{1}{2}$ d.

DICOPHANE. (DDT). — One-ton lots, $4\frac{1}{2}$ d, pcr lb.

Digoxin.—100-gm. lots, 50s. per gm.

EMETINE. — One-kilo lots hydrochlor-1DE, 11,431s. per kilo.—BISMUTH 10DIDE, 4,952s. per kilo.

EPHEDRINE.—ALKALOID nominally 6s. 6d. per oz. SULPHATE, 4s. 6d. and HYDRO-CHLORIDE, 3s. per oz.

ETHER. — Per lb. in winchesters: B.P. TECHNICAL, B.S.S., 5-cwt., 2s. 9d.; (4s. 4d. per litre). In drums the price is 2s. 1d. per lb. Anæsthetic, B.P., 6-cwt. 3s. 11½d.; 10-cwt., 3s. 7½d.

FORMALDEHYDE.—B.P. solutions, 5-drum lots, 690s. per ton, delivered.

GLUCOSE. — Medicinal, B.P., POWDER, 71s. 6d. per cwt., delivered in 1-ton lots. LIQUID, basic price, 50s. 6d. per cwt.

GLYCEROPHOSPHATES. — Per kilo in 50-kilo lots: CALCIUM, B.P.C., 28s. 2d.; IRON, B.P.C., 33s. 7d.; MAGNESIUM, B.P.C., 35s. 5d.; MANGANESE, N.F.X., 49s. 7d.; POTASSIUM, 50 per cent., B.P.C., 8s. 6d.; SODIUM 50 per cent., B.P.C., 5s. 11d. and powder, B.P.C. 1949, 18s. 8d.; GLYCEROPHOSPHORIC ACID, 20 per cent., 10s. 8d.

HEXAMINE. — B.P., 1s. 6d. per lb. for 1-ton lots, delivered in 1-cwt, bags. Technical is 1s. 5d. per lb.

HEXAMINE MANDELATE. — 50-kilo lots 28s. 6d. per kilo; 1,000 kilos, 25s.

Hydroquinone.—One-cwt. lots, 10s. per lb. 1-ton 8s. 6d.

IODIDES. — (Per kilo). Potassium, 50-kilo lots, 21s. 6d.; sodium, 28s. 6d. for 25-kilo lots, ammonium, 46s. 6d.

10DINE.—Resublimed in less than 50-kilo lots, 30s. 6d, per kilo; 50 kilos and over, 29s. 9d. Minimum delivered rates for CRUDE is 18s. 7d. per kilo.

lodoform.—Powder (per kilo), 55s. 3d. in 50-kilo lots; less than 50-kilos, 56s. 9d. Crystals are 6s. 6d. per kilo more.

IRON SALTS. — CHLORIDE, B.P.C., 1949, 3s. 1d. per kilo. Gluconate, B.P.C., 4s. 9d. per lb. in 1-cwt. lots; sulphate, B.P., crystals 1-cwt. 70s. per cwt.; 5-cwt. 65s. per cwt.; granular, 2s. 6d. per cwt. extra. phosphate, B.P.C., 7s. 2d. per kilo; oxide red precipitated, B.P.C., 1949, 25 kilos, 6s. 3d. per kilo; carbonate, saccharated, B.P.C., 1949, 28-lb., 3s. 3d.; 1-cwt., 3s.—ammonium citrate, 250-kilos, 8s. 6d. kilo.—Quinine citrate, 2s. 4d. per oz. in 100-oz. tin.

Kaolin. — Light, 500 kilos, 1s. 2d. per kilo and 1,000 kilos, 1s. $1\frac{3}{4}$ d.

METHYL SALICYLATE. — Five-ton lots, 3s. 2d. per lb.; 1-ton, 3s. 2½d.; 10-cwt., 3s. 3d.; 5-cwt., 3s. 6d.; 1-cwt., 3s. 8d.

METHYL TESTOSTERONE. — Per kilo, £95.

PARACETAMOL. — One-ton lots, 10s. 2d. per lb.

PHENACETIN.—B.P. one-ton lots, 6s. 3d. per lb.; 1-cwt., 6s. 9d.

PHENOLPHTHALEIN.—One-cwt. 9s. per lb. PHYSOSTIGMINE.—Per oz. for 4-oz. lots: Alkaloid, 476s.; Salicylate, 321s.; Sulphate, 411s.

Picrotoxin.—Per oz. 45s. 6d. (4-oz.).

PILOCARPINE.—In 1-kilo lots prices are: HYDROCHLORIDE, 1,516s. per kilo; NITRATE, 1,357s.

ROCHELLE SALT.—Powder or granulated, 5-cwt. lots or over in kegs, 220s. per cwt.; 1 cwt., 222s, 6d. (bags less 5s.).

SACCHARIN.—B.P. powder 1 lb. and over 15s. 6d. per lb. Sodium salt, B.P., 14s.

SALICYLAMIDE. — One-cwt., 6s. 3d. per lb.; 5-cwt., 3s. 2d. per lb.

SALOL.—B.P.C., 9s. per lb. (1-cwt. lots). SODIUM ACETATE.—B.P.C. 1949, 50-kilos, 4s. 0½d, per kilo.

Sodium benzoate. — One-ton lots, 2s, $7\frac{1}{2}d$, per lb.; 1-cwt., 2s, $9\frac{1}{2}d$.

SODIUM BICARBONATE.—B.P., 1-cwt. bags £19 3s, per ton for 8-ton lots.

SODIUM BROMATE.—50-kilo lots, 8s. 10d. per kilo, 1,000 kilos, 8s. 3d. per kilo.

SODIUM CARBONATE.—(Per cwt.), B.P.C. exsiccated, 1-cwt., 90s.; 5-cwt., 85s.; 1-ton, 80s.

SODIUM CHLORIDE. — Vacuum dried, 172s. 9d. per ton in paper sacks for 6-ton lots, delivered London.

SODIUM CYCLAMATE. — Fifty-kilo lots offered at 13s. 6d. pcr kilo in free packages, delivered.

SODIUM FLUORIDE. — B.P.C., 1934, 50-kilo kegs, 8s. 7d. per kilo.

SODIUM HYDROXIDE. — FLAKE, £36 15s. per ton in 8-ton lots, STICKS, B.P., 10s. 10d. per kilo in 5-kilo tin.

SODIUM METABISULPHITE. — B.P. £48 17s. 6d. per ton. Commercial grade less 10s. per ton.

SODIUM NITRITE. — B.P.C. 50-kilo kegs, 5s, 8d. per kilo.

SODIUM PANTOTHENATE.—Per kilo, 115s. SODIUM PERBORATE.—(Per ton). TETRA-HYDRATE (minimum 10 per cent. available oxygen) £142 5s. in 1-cwt. kegs; £134 15s. in 1-cwt, bags; PERBORATE MONOHYDRATE (minimum 15 per cent. available oxygen)

SODIUM PERCARBONATE. — (Per ton). £173 15s. in kegs (bags £7 10s. per ton lower) for minimum 12½ per cent. available oxygen.

is £309 15s.

Sodium phosphate. — B.P. crystals. 4s. 11d. per kilo; powder, 6s. 1d.

Sodium salicylate. — One-ton lots in bulk, 3s. 9d. per lb.; 5-cwt., 3s. 10d.; 1-cwt., 4s.

SODIUM SULPHATE. — B.P. from £30 to £35 per ton as to crystal, B.P. exsiccated about £66 per ton.

Sodium Sulphite. — Four-ton lots: Commercial crystals, £27 to £28 10s, as to container; photo. quality, about £31 per ton.

Sodium thiosulphate. — Photographic crystals in paper-lined bags, £38 per ton.

SULPHOCARBOLATES.—SODIUM PHENOSUL-PHONATE, B.P.C., 1949 (powder), 13s. 4d. per kilo in 50-kilo lots and crystals 12s. 8d. per kilo. ZINC, B.P.C., 1949, is quoted at the same rate.

TALC. — One-ton lots, B.P.C. in kegs, 1s, 2d, per lb.

THIOUREA.—Technical grade, 1-cwt. lots 3s. 1d. per lb.; 10-cwt., 2s. $9\frac{1}{2}$ d. per lb.

'ACTIFED' Compound Linctus

NEW 2-LITRE PACK

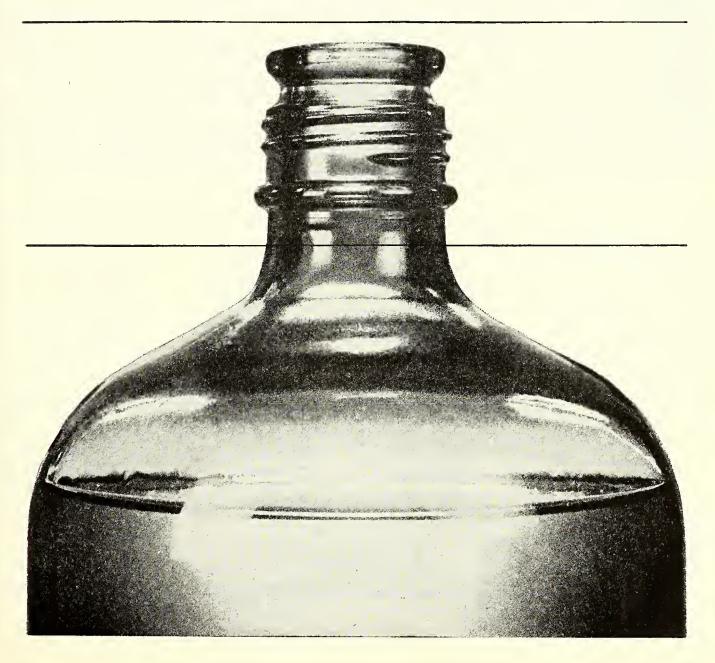
with non-drip, Easy-Pour neck and Screw Cap.

'Actifed' brand Compound Linctus – for the successful treatment of cough, with or without congestion.

Trade Price: 55s. 8d. net per bottle FROM YOUR WHOLESALER ONLY This pack replaces the existing 80 fl. oz. bottle



Burroughs Wellcome & Co. (The Wellcome Foundation Ltd.) London





Winter is the time when photographers will be coming to you for their lighting accessories. If they want the best results they'll look to you for the best equipment as well as the best advice. Make sure you can meet all their needs by stocking up now with the brilliant range of Agfa flashguns, cine lights and, of course, Agfa films.





Crude Drugs

ALOES. — Primes, 265s. per cwt. spot. Shipment, 255s., c.i.f. Curação, spot. 265s.; 255s., c.i.f.

BALSAMS. — Per lb.: Canada: Spot 21s, to 25s. Copaiba: b.p.c. grade 9s. to 10s, 6d, Peru: Spot short at 12s., nominal. Tolu: b.p., from 10s. 6d. to 27s. 6d.

Bay.—Leaves, 1s. 9d. per lb., spot.

Висни.—Spot is 5s. per lb.; shipment cleared.

CALAMUS. — ROOT, 100s. per cwt., spot, 87s. 6d., c.i.f.

CAMPHOR, — B.P. powder for shipment, 5s. 8d. per lb., c.i.f.; spot 7s.

CARDAMOMS. — Aleppy greens, 11s. 6d. per lb. spot; shipment, 11s. 3d., c.i.f.

Cassia.—*Fistula*, 105s. per cwt. landed; lignea (whole), for shipment is cleared; selected broken, 175s., c.i.f., for November–December.

CHERRY BARK. — Thin natural, 2s. 4d. per lb.; shipment, 2s. 1d., c.i.f.

CINNAMON. — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 9s. 2d.; single O, 7s. 4d.; quillings, 5s. 9d. Bark, Seychelles, 110s. cwt. spot.

CLOVES. — Zanzibar spot 2s. $10\frac{1}{2}$ d. per lb. standard grade; shipment, 2s. 7d., c.i.f.

DIGITALIS.—Purpurea leaves, 2s. 6d. per

ELEMI. — Spot, 1s. 9d. per lb.; shipment: new crop, November-December, 1s. 6d., c.i.f.

Ergot. — Portuguese, 13s. 6d. per lb. spot nominal; shipment, 10s. 6d., c.i.f.

GENTIAN.—Root, 210s. per cwt. spot; shipment, 200s., c.i.f.

GINGER.—(Per cwt.) African, spot, 310s. per cwt. Jamaican No. 3 spot, 575s.; shipment, 555s., c.i.f. Cochin, prompt shipment, 340s., c.i.f.

HENNA. — Indian, for December-January shipment, 65s., c.i.f.

IPECACUANHA.—Matto Grosso for shipment, 60s. per lb., c.i.f. and spot from 62s. to 64s., as to test. Colombian 63s. c.i.f.; spot, 66s. Costa Rican, 82s.. c.i.f. and 91s., spot.

KOLA NUTS. — African, 6d. spot and 5d. per lb., c.i.f.

Lanolin. — Anhydrous B.P. is from 1s. 10d. to 2s. 1d. per lb. in 1-ton lots delivered free drums.

LEMON PEEL.—Spot, 2s. per lb.; partially extracted, 1s. 4d.

LINSEED. — Whole, 72s. 6d. per cwt.; crushed, 110s.

LIQUORICE. — Natural root: Russian, 67s, 6d. per cwt.; Anatolian, 57s. 6d.; Anatolian decorticated, 170s. Block juice: Anatolian, 210s. to 220s, per cwt.; Italian stick from 395s. to 460s. per cwt.

LOBELIA.—Dutch very scarce on the spot at 7s. 6d, per lb. Shipment not offering.

MACE—Whole pale blade 14s 6d per

MACE.—Whole pale blade, 14s. 6d. per lb. on the spot. Shipment, 14s., f.o.b.

MENTHOL.—(Per lb.). Chinese for shipment, 20s., c.i.f.; spot, 21s. to 22s. Brazilian for shipment, 18s., c.i.f.; spot, 19s. 6d. to 20s. in bond.

Mercury. — Spot, nominally £135 per flask of 76 lb. ex warehouse.

NUTMEGS.—(Per lb.). West Indian, spot, 80's, 9s. 6d., nominal; unassorted, 8s. per lb.; defectives, 5s. 3d. East Indian for shipment, 80's, 7s. 10d.; sound unassorted, 6s. 2d.; b.w.p., 4s. 4½d., all c.i.f.

Nux vomica.—Cochin, 80s. per cwt. on the spot; shipment, 60s., c.i.f.

ORANGE PEEL. — Spot: Sweet ribbon, 1s. 8d. per lb., bitter quarters: West Indian, 10½d.; Spanish, 1s. 9d.

PEPPER.—White Sarawak spot is 2s. 10¼d. to 3s. per lb.; shipment, 2s. 10¼d., c.i.f. Black Sarawak spot, 2s. 6d., nominal;

shipment, 2s. 5½d., c.i.f. Black Malabar on the spot; sold at 3s. 1½d. quotations now 3s. 3d. nominal; shipment quoted at 320s. per cwt., c.i.f.

PIMENTO. — Spot quoted at 690s. per cwt., shipment, 600s., f.o.b.

PODOPHYLLUM.—Spot per cwt.: Emodi, 225s. (210s., c.i.f.); Peltatum, 190s.

Pyrethrum. — Extracts — partially dewaxed, 25 per cent. pyrethrins, 69s, to 65s. 6d. per lb.; pale, 82s, 6d. to 79s.; crude oleoresin, 60s. 6d.

QUILLAIA.—For shipment, 100s. per cwt.,

RHUBARB.—Good manufacturing offered at 8s. 6d. per lb.; No. 1, 15s. 6d.

SAFFRON. — Mancha superior firm at 285s. per lb., spot.

SARSAPARILLA. — Jamaican native red spot, 3s. pei lb.; shipment, 2s. 9d., c.i.f. nominal.

SASSAFRAS. — Brazilian is from 2s. 4d. per lb.

SEEDS. — (Per cwt.). ANISE.—Spanish 280s., duty paid. Caraway.—Dutch, 135s., duty free. Celery. — Indian quiet at 162s. 6d., spot; shipment continues firm at 162s. 6d., c.i.f. Coriander.—Moroccan steady at 60s., duty paid; shipment dearer at 45s. 6d., c.i.f. Cumin.—Market firm and rising. Moroccan on spot is scarce with 295s. quoted duty paid; no offers have been received during the week of any origins. Moroccan purely nominal quotation at 260s., c.i.f. DILL.—Indian unchanged at 90s., spot; shipment, 75s., c.i.f. Fennel.—Chinese quoted at 145s., duty paid; Indian, 165s.; shipment: Chinese new crop for November-December shipment sold at 105s., c.i.f.; Indian quoted at 145s., c.i.f. Fenugreek. — Moroccan offered at 48s., duty paid; snipment dearer at 35s. 6d., c.i.f. Mustard.—English is dearer because of heavy overseas purchases, 50s. to 75s. quoted, according to quality.

SENEGA.—Spot, 19s. 6d. per lb. spot; shipment, 19s., c.i.f.

SENNA. — (Per lb.). Tinnevclly LEAVES spot: Prime No. 1, 2s.; prime No. 2, 1s. 8d.; No. 3, f.a.q., 1s. 2d. Shipment: No. 3, 1s. 1d., c.i.f Pods: Tinnevelly hand-picked, 2s. 1½d., spot: manufacturing 1s. 4½d.; shipment, 1s. 1½d., c.i.f. Alexandria Pods: hand-picked in limited supplies at 10s.; manufacturing, small lots at from 3s. 3d. to 3s. 6d.

SHELLAC.—F.O.T.N. pure, 225s. per cwt., No. 1, 250s.; F.O., from 265s. to 325s.

SLIPPERY ELM BARK, — Spot offered at 3s. 4d. per lb.

SQUILL. — Italian spot, 180s. per cwt.; shipment, 170s., c.i.f. Indian, 75s. per cwt,, spot.

STRAMONIUM.—Continental LEAVES 85s. per cwt. spot.

STYRAX.—Spot. 15s. 6d. per lb.; shipment, 13s. 6d., c.i.f.

Tonquin Beans.—Para spot, 4s. 6d. per lb.; shipment, 4s., c.i.f.

Tragacanth.—No. 1 ribbon, £225 per cwt. No. 2, £215.

TURMERIC. — Madras finger on spot is dearer at 155s, to 160s, per cwt.; shipment remains firm at 155s., c.i.f.

VALERIAN ROOT. — Spot: Indian, 175s. per cwt.

Vanillin.—Rates (per lb.) are now:— 5-cwt. lots, 21s. 6d.; 1-cwt., 21s. 9d.; 56-lb., 22s.; small quantities, 22s. 6d.

WAXES. — (Per cwt.): Bees'.—Dar-es-Salaam, 450s.; shipment, 427s. 6d.. c.i.f. Sudanese, spot, 400s., in bond; shipment, 390s., c.i.f. Candelllla, spot, 465s.; forward, 460s. landed. Carnauba, fatty grey spot, 370s.; shipment, 352s. 6d., c.i.f.; prime yellow, spot, 740s.; shipment, 680s., c.i.f.

WITCH HAZEL LEAVES.—Spot quotations are 2s. 2d. per lb.; shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

ALMOND.—Imported sweet oil is 7s. 3d. per lb., spot.

AMBER.—Rectified on the spot, 2s. per lb.

ANISE. — Chinese, 10s. 6d., spot; shipment, 9s. 9d., c.i.f.

Bois DE ROSE.—Brazilian, spot, 19s.; shipment, 16s. 9d., c.i.f.

Buchu.—Spot, from 270s. to 400s, per lb.

CAJUPUT.—Spot, from 9s. per lb.

CALAMUS.—Spot, from 70s. to 125s. pcr lb. as to origin.

Cassia.—Spot about 35s, per 1b, for 80–85 per cent.

CELERY SEED. — Quotations are from 117s. 6d. to 160s. per lb.

CITRONELLA. — Ceylon, spot, 7s. 6d.; shipment, 6s. 10d. per lb., c.i.f. Formosan, 6s. 6d. in bond; no shipment offers; Chinese, 5s. 6d., c.i.f.

CLOVE.—Madagascar leaf for shipment, 5s. 10d., c.i.f. Rectified, 10s. Distilled budoil, English B.P., 26s. per lb. for 1-cwt. lots

CUMIN.—English distilled oil, 140s. per lb., imported, 90s. to 120s.

EUCALYPTUS. — B.P. 70–75 per ccnt., 7s. per lb.; 80–85 per cent., 7s. 9d.

FENNEL.—Spanish sweet, spot, 10s. per lb

GERANIUM. — Bourbon, 87s. 6d. to 92s. 6d., spot.

GINGER. — Imported (per lb.): Indian, 200s.; Chinese, 75s.; Jamaican, 132s. 6d.

GRAPEFRUIT.—Spot offers from 17s. 6d. per lb.

JUNIPER. — B.P.C. is nominally 30s. per lb. Juniper wood, from 5s.

LAVANDIN.—From 27s. to 30s. per lb. as to quality.

LAVENDER. — French, from 50s. to

LAVENDER. — French, from 50s. to 57s. 6d. per lb. as to quality.

LEMONGRASS. — Spot. 9s. 9d. per lb.:

Lemongrass. — Spot, 9s. 9d. per lb.; shipment, 8s. 3d., c.i.f.

Lime. — West Indian distilled, 58s. per

lb. on the spot.

Nutmeg.—East Indian B.P. oil is about

40s, per lb. English distilled, 65s.

OLIVE. — Spanish, £230 to £240 per metric ton f.o.b. Spanish port. Tunisian, £245, c. and f., London; Spanish oil spot, £275 to £285 per long ton ex wharf.

Orange.—Floridan sweet oil, 5s. to 6s. per lb. West Indian, 10s.; Spanish, 16s. 6d. to 18s.

PALMAROSA.—Shipment, 47s. 6d. per lb. c.i.f.; spot, 60s.

PEPPERMINT. — Arvensis: Chinese for shipment, 7s. 3d., c.i.f. Brazilian for shipment, 6s. 3d., c.i.f.; spot, 6s. 9d. Piperita: Italian, 48s. to 60s., spot; American from 27s. 6d. per lb. as to make.

PIMENTO. — English-distilled berry from 200s. per lb. and imported, 32s. 6d. Rectified leaf, 22s. per lb.

PINE. — Pumilionis, 30s. per lb., sylvestris, 9s.; abietis, 15s.

SPEARMINT.—American oil on the spot, 30s. per lb.

VETIVERT. — Bourbon spot, 90s. to 100s. per lb.

UNITED STATES REPORT

NEW YORK, NOVEMBER 2: The U.S.P. grade ZINC OXIDE rose \(^3\) cent to 18 cents per lb. PERU BALSAM is 15 cents higher at \$1.50 a lb. Higher per lb. among ESSENTIAL OILS were N.F. grade BAY at \$4.45 (up 45 cents), and PATCHOULI at \$5 (up 25 cents). Lower were GRAPE-FRUIT at \$1.20 (down five cents), and Peruvian BOIS DE ROSE at \$2.20 (down 15 cents).

NOTES ON NEW MEDICAMENTS

GASTROVITE - Constituents: Ferrous glycine sulphate, ascorbic acid, calciferol and calcium gluconate. The iron compound represents an attempt to overcome the disadvantages of ordinary iron salts, which ionise in solution, by presenting the metal as a chelated complex. In such chelates, the metal is bound to an organic complex which prevents ionisation and many of the gastric irritant effects of inorganic iron salts are thereby eliminated. The absorption of iron from the gut is highly variable, especially in sub-scorbutic states and the administration of ascorbic acid frequently brings about a marked improvement. During pregnancy the demand for calcium is increased, but absorption depends largely upon calciferol. In Gastrovite, calcium is provided as calcium gluconate, one of the most acceptable forms of oral calcium, and a small dose of calciferol is included to aid absorption (see C. & D., October 10, p. 385).

U.C.G. PREGNANCY TEST.-A test based on the detection of human chorionic gonadotrophin in the urine, This hormone, which is derived from the developing placenta, appears in the urine as early as the fourth to eighth day after the first missed period. The test is carried out by mixing, in a test tube, a small amount of early morning urine with human chorionic gonadotrophin-antiserum and suspension of red blood cells. In the presence of the gonadotrophin, the red cells do not agglutinate but settle slowly forming, in about two hours, a clear ring of cells at the bottom of the tube. If the patient is not pregnant, the antiserum will cause the red cells to agglutinate and form an amorphous precipitate. Under the conditions of the test, a 95 per cent, accuracy is claimed with normal pregnancies (see C. & D., October 10, p. 385).

UROKINASE.—Traumatic hyphæmia (hæmorrhage in the interior of the eye following injury) carries with it the potential danger of loss of sight and removal of the clotted blood in some way, if at all possible, is of paramount importance, Urokinase is an enzyme with fiibrinolytic properties having the power of dissolving blood clots. The action is specific, as the drug converts plasminogen into plasmin, which is the natural fibrinolytic agent. When injected into the anterior chamber of the eye, a solution breaks up the clots, any residue being removed by careful irrigation. The drug is non-antigenic. It is not irritant to the tissues of the eye, brain, or other delicate organs and also has applications in other conditions associated with blood clots.

NEW COMPANIES

P.C. = Private Company, R.O. = Registered Office

B. S. FELLOWS, LTD. (P.C.). — Capital £3,000. To carry on the business of chemists, etc. Directors: Betty S. Fellows, F.P.S., and Peter R. Oakes, R.O.: 182 Ealing Road, Wembley.

1RELNKS CHEMISTS, LTD. (P.C.).—Capital £100. To carry on the business of wholesale and retail chemists, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 156 Strand, London, W.C.2

JACOBS PHARMACIES, LTD (P.C.).—Capital £100. To carry on the business of chemists and druggists, etc. Directors: Martin D. Jacobs, M.P.S., and Rence Jacobs, R.O.: 2 Winton Gardens, Whitchurch Lane, Edgware, Middlesex.

LEON ALAN CHEMISTS, LTD. (P.C.).—Capital £100. To carry on the business of chemists, etc. Directors: Leon A. Ungar, M.P.S., Sidney S. Shaw, R.O.: 42 Devonshire Street, Portland Place, London, W.1.

PAXALL CHEMISTS, LTD. (P.C.).—Capital £100. To carry on the business of dispensing chemists, etc. Directors: Vincent J. Hall, M.P.S., and John N. Peace, M.P.S. R.O.: 91 Charlwood Street, London, S.W.1.

PORCE-MASTER SERVICE CO. (MARINE DIVISION), LTD. (P.C.).—Capital £100, To carry on the business of chemists and druggists, etc., Subscribers: Stanley H., Lucas and Francis A., Dean, R.O.: 35 Piccadilly, London, W.1.

RIES (PURCHASING), LTD, (P.C.).—Capital £100. To carry on the business of chemists and druggists, ctc. Subscribers; S. E. Deitsch and R. M. Simmons, R.O.; 283 Neasden Lane, London, N.W.10.
F. T. ROOKE, LTD, (P.C.).—Capital £6,000.

F. T. ROOKE, LTD. (P.C.),—Capital £6,000. To acquire the business of chemists and druggists carried on by Mrs. Sarah A. Rooke as F. T. Rooke, at Bentham and Ingleton, etc. Directors: Sarah A. Rooke, Rest Harrow, Low Bentham, Via Lancaster, and John S. Rooke.

ROYDEN FAWKES (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, etc. Directors: Royden Fawkes and Doris Fawkes. R.O.: 1

Park Crescent, Southport, Lancs. TEN DAY LIQUID, LTD. (P.C.).—Capital £100, To carry on the business of chemists, etc. Directors: John R. Fyson and Edith M. Fyson. R.O.: Misbourne House, Chalfont St. Giles, Bucks.

WISE (CHEMISTS), LTD, (P.C.).—Capital £5,000. To carry on the business of chemists, druggists, etc. Directors: Lionel M. Wise, M.P.S., Alan G. Tobias, M.P.S., Edith Wise and Sidney Tobias, M.P.S. R.O.: 175 Dickinson Road, Manchester, 13.

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What doctors are reading about developments in drugs and treatments

A STUDY of the action of β -sympathetic blockade on fatty-acid and carbohydrate metabolism is reported from St. Bartholomew's Hospital, London. Comparing pronethalol with a placebo, the authors found that the drug caused an average fall in the blood level of nonesterified fatty acids of 56 per cent. during exercise, and of 48 per cent. after exercise (both in comparison with the control figures). That, it is suggested, may be due to a reduced mobilisation of the acids from fat depots after β -sympathetic blockade. No evidence of a compensatory change in the rate of carbohydrate metabolism was found. The authors state that, although the

study revealed no severe metabolic disturbance, further studies are needed to determine the effects of long-term β -sympathetic blockade. (*Lancet*, October 31, p. 930.)

In a summary of recently reported evidence of hypertensive attacks provoked in patients taking monoamine oxidase inhibitors, *Drug and Therapeutics Bulletin* reminds prescribers that they should warn patients of the risks of food (cheese, Bovril, Marmite, for example) and drug interactions. The warning should extend to proprietary remedies for coughs and colds which may contain pressor drugs such as phenylephrine. (D. & T.B., October 30.)

PRINT AND PUBLICITY

PRESS ADVERTISING

ANESTAN, LTD., 6 Albemarle Street, London, W.1: Okasa tonic. In Daily Express, Daily Telegraph, Punch and The Field.

GOLDEN, LTD., Berkeley Square, London, W.1: Color-Match. In Woman, Woman's Own, Sunday Express, Daily Mail, Daily Telegraph and other women's magazines.

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MENTHOLATUM CO., LTD., Slough, Bucks: Mentholatum balm. In national daily and Sunday newspapers.

Monogram Electric, Ltd., Lincoln House, 296 High Holborn, London, W.C.1: Monogram safety-matic over blanket. In Woman, Woman's Own, Good Housekeeping, Reader's Digest, Woman's Journal, Homes and Gardens and Sunday Times magazine.

PUBLICATIONS

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists. BOOTS PURE DRUG CO., LTD., Station Street, Nottingham: "Tranquil induction, restful sleep, refreshed awakening . . . Melsedin" (4-p. folder).

CIBA LABORATORIES, LTD., Horsham, Sussex: "Ritalin . . . the well tried antilethargic" (8-p. booklet).

MAY & BAKER, LTD., Dagenham, Essex: Sulphatriad and Penitriad (4-p. folder), Largactil (blotter), "Migraine, vertigo and vomiting... Stemetil" (blotter), "M & B cough preparations" (4-p. folder),

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts: "Cremostrep . . . for the rapid control of diarrhœa" (4-p. folder), "For eczema—wet or dry . . , Hydroderm" (4-p. folder). "Amitriptyline (Tryptizol) in depressive states—an abstract" (4-p. folder), "Salupres , . . in mild to moderate hypertension" (4-p. folder), "Hydrosaluric-K . . . the diuretic with potassium" (4-p. folder), "Hocker Prophysics" Ltsp. 15 Manchester School

With potassium (4-p. folder).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Pentrium . . . breaks the vicious circle in angina pectoris at two points" (32-p. booklet). "Aspects of anxiety: the nature and meaning of anxiety" (8-p. booklet). "The sulphonamides: a resurgence." No. 3 "Reducing the problems of bacterial resistance." No. 4 "The treatment of acute upper respiratory tract infections" (8-p. booklets).

Catalogues

GEORGE SPENCER & SON, LTD., Kynance Place, Gloucester Road, London, S.W.7: 1964-65 catalogue of toiletries, novelties and chemists' sundries.

GUEST INDUSTRIALS, LTD., 81 Gracechurch Street, London, E.C.3: Scintilux mica powders (three 4-p. folders).



A new counter display unit for the recently introduced cough and throat lozenge Benylets issued by Parke, Davis & Co., Staines Road, Hounslow, Middlesex. The dispenser, made from chromium-plated wire, with a collapsible headplate, is designed to allow for easy customer self-service from the front or service by a counter assistant from behind the headplate.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, November 9

ARROW BRANCH, PHARMACEUTICAL SOCIETY, Havelock hotel, Station Road, Harrow, at 8 p.m. Dr. A. David on "The Population Explosion and the Pill."

EICESTER AND LEICESTERSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Midland hotel, Princess Road, Leicester, at 7.30 p.m. Mr. S. J. Davies (Marketing policy officer, N.P.U.) on "Buying and Selling Without R.P.M."

MEDICAL RESEARCH COUNCIL, Edward Lewis lecture theatre, Middlesex hospital medical school, Mortimer Street, London, W.1, at 5.30 p.m. Professor G. Thews (physiological institute, University of Mainz, Western Germany) on "The Oxygen Supply of Organs." Feldberg foundation (German-English exchange) lecture.

NORTH METROPOLITAN BRANCH, NATIONAL PHAR-MACEUTICAL UNION, Beale's restaurant, Holloway Road, London, N.7, at 8 p.m. Mrs. J. Godfrey (a lecturer in human relations and communications, North-western Polytechnic, London, N.W.5) on "Staff Management and Human Relationship Problems in the Pharmacy."

ROMFORD BRANCH, PHARMACEUTICAL Unicorn hotel, Gidea Park, Essex, at 7.45 p.m. Ladies' night, Dr. H. A. Thomas (Courtaulds, Ltd.), on "History, Production and Uses of Man-made Fibres."

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY. hotel, Southampton, at 7.30 p.m. Polygon Medical films.

SOUTHPORT BRANCH, PHARMACEUTICAL SOCIETY, Royal hotel, Promenade, Southport, at 8 p.m. Mr. C. Bloom on "Pressurised Packaging of Pharmaceutical Products."

Worcestershire and Herefordshire Branch, National Pharmaceutical Union, Star hotel, Foregate Street, Worcester, at 8 p.m. Annual meeting and Mr. F. H. Haden (secretary, Worcestershire Pharmaceutical Committee) on "The Work of the Pharmaceutical Committee,"

Tuesday, November 10

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, council chamber, chamber of commerce, 75
Harborne Road, Edgbaston, Birmingham, 15,
at 7.45 p.m. Professor A. H. Beckett (head,
school of pharmacy, Chelsea College of Science and Technology) on "The Route from Witch Doctor to Modern Drug."

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Post-graduate medical centre, Boscombe, Bournemouth, at 8 p.m. "Do-it-yourself ShopCOVENTRY AND WARWICKSHIRE BRANCH, PHARMA-CEUTICAL SOCIETY, Hare and Squirrel hotel, Coventry, at 8 p.m., Dr. K. R. Fell on "A Pharmacist in Nepal."

DONCASTER BRANCH, PHARMACEUTICAL Ivanhoe hotel, Sprotborough, at 8.15 member of Doncaster borough police force on "Road Safety."

EPSOM AND SUTTON BRANCH, NATIONAL PHARMA-CEUTICAL UNION. Wilson's café, Grove Road, Sutton, at 8 p.m. Mr. A. Aldington (a member, N.P.U. executive committee) on "A Pharmacy Review—Any Questions?"

ANCASTER, MORECAMBE AND WESTMORLAND

LANCASTER, Branch, Pharmaceutical Society, West End Methodist schoolroom, West Street, Morecambe, at 7.45 p.m. Film evening.

NEWCASTLE AND NORTHUMBERLAND BRANCH, PHAR-MACEUTICAL SOCIETY, No. 2 chemistry lecture theatre, University of Newcastle upon Tyne, at 7.30 p.m. Dr. N. A. Wynne on "Anticoagulants and Analgesics."

SCHOOL OF PHARMACY, CHELSEA COLLEGE OF SCIENCE AND TECHNOLOGY, Manresa Road, London, S.W.3, at 7.15 p.m. Mr. C. L. Greening (Wellcome Research Laboratorics) 'Biological Standardisation of Vaccines and Related Products.

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Royal Victoria hotel, Sheffield, at 8 p.m. Mr. N. Henderson (publicity officer, Association of the British Pharmaceutical Industry) and film.

University of London, Institute of Neurology, National Hospital, Queen Square, London, W.C.1, at 5.30 p.m. Dr. I. S. Cooper on "The Treatment of Pain."

Wednesday, November 11

Blackpool Branch, Pharmaceutical Society, Norbreck hydro, Blackpool, at 6.30 p.m. Annual dinner and dance.

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Cornelia nurses' hostel, Poole, at 1 p.m. Mr. J. R. Dale on "The Doctor and the Dangerous Drugs Act."

CHESTER BRANCH, PHARMACEUTICAL SOCIETY, Mollington Banastre, Chester, at 8 p.m. Buffet and dance.

CROYDON PHARMACISTS' ASSOCIATION, Greyhound hotel, Park Lane, Croydon, at 7 p.m. Annual dinner and dance.

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Redhill hotel, Durham, at 7.30 p.m. BRANCH, PHARMACEUTICAL Annual dinner and dance.

PAST STUDENTS' ASSOCIATION, Pharmacy and Physiology Department, City of Portsmouth College of Technology, Curzon rooms, Waterlooville, Portsmouth, at 7.30 p.m. Annual rc-union dinner.

ROYAL SOCIETY OF ARTS, 6 John Adam Street, London, W.C.2, at 6 p.m. Mr. A. H. Strick-land, on "Pest Control and Productivity in British Agriculture."

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEU-TICAL SOCIETY, Fox on the Hill hotel, Denmark Hill, London, S.E.5, at 8 p.m. Mr. K. J. Walker (South-east England area manager, Geigy Pharmaceutical Co., Ltd.) on "The Rheumatic Diseases."

Thursday, November 12

CHELSEA PHARMACY ASSOCIATION, School of Pharmacy, Chelsea College of Science and Technology, Manresa Road, London, S.W.3, at 7,30 p.m. Annual reunion wine-and-cheese Ticket (7s. 6d,) from Dr. J. Walker evening. at the College.

EDINBURGH AND SOUTH-EASTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.45 p.m. Miss A. Lothian on Pharmaceutical Antiques in the Society's

Collection at Bloomsbury Square."

FIFE and STIRLING AND CENTRAL SCOTTISH Branches, Pharmaceutical Society, café, Regal cinema, Stirling, at 7.45 p.m. Mr. W. M. Darling (a member of Council) on "Pharmacy

Today and Tomorrow."

GLASGOW AND WEST OF SCOTLAND BRANCH,
PHARMACEUTICAL SOCIETY, Students' union,
University of Strathelyde, John Street, Glasgow, C.1, at 7.45 p.m. Mr. C. G. Drummond
on "Pharmaceutical 'Service' in the

Eighteenth Century."
HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Marlboro café, Oxford Street, Harrogate, at 7.30 p.m. Mr. W. W. Baxter (late publicity manager for Harrogate corporation) on his "Experiences."

HITCHIN AND NORTH HERTFORDSHIRE BRANCH, NATIONAL PHARMACFUTICAL UNION, Sun hotel, Hitchin, at 7.45 p.m. Branch re-organisation.

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY,

Sun hotel, Hanworth Road, Hounslow, at 8 p.m. Mr. R. M, Howitt on "Pharmacy in Spain."

CHEMISTS' ASSOCIATION, Station hotel, Hull, at 7.30 p.m. Annual dinner and dance. LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Great

Northern hotel, Leeds, at 8 p.m. Mr, F. C. Rimington on "Greece and Beyond."

SWANSEA AND WEST GLAMORGAN BRANCH, PHAR-MACEUTICAL SOCIETY, Brangwyn hall, Swansea, at 7.30 p.m. Annual ball.

THAMES VALLEY PHARMACISTS' ASSOCIATION, Winthrop House, Surbiton, Surrey, at 7.45 p.m. Dr. H. C. Becele (physician superintendent, Springfield hospital, Upper Tooting, London, S.W.17) on "Psychodynamics of Psychological Medicinc.'

Friday, November 13

PHARMACEUTICAL SLOUGH BRANCH, Nicholas Laboratories, Ltd., 225 Bath Road, Slough, at 8 p.m. Professor F. E. Camps (a Home Office pathologist) on "Poisoning — Accident, Suicide or Murder?"

University of London, Post-graduate Medical School of London, 150 Du Cane Road, London, W.12, at 4 p.m. Dr. J. D. N. Nabarro on "Steroid Therapy."

Advance Information

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Botanical Gardens, Edgbaston, Birmingham, 15, at 8 p.m. on November 18. Dance, Tickets (17s. 6d.) obtainable before November 14, from Mr. C, McArdle, 110 Delrene Road, Shirley, Solihull, Warwicks, or Mr. G, E, Applebe, 36 Ferndale Road, Hall Green, Birmingham, 28.
COSMETIC INDUSTRY EXHIBITION, Harrogate,
Yorks, March 30 to April 1 1965.

WILLS

Mr. R. J. Broomfield, M.P.S., 68 Darwin MR. R. J. BROOMFIELD, M.P.S., 68 Darwin Road, Welling, Kent, Icft £3,824 (£1,920 nct).
MR. H. LOMAX, M.P.S., 334 Preseot Road, Aughton, Lancs, Icft £14,285 (£8,789 nct).
MR. P. M. PRICE, B.A., Loddiswell, 127 Heath Lane, Stourbridge, Worcs., a director of A. S. Price & Co., Ltd., Birmingham, Ieft £28,594

(£28,418 net).

COMMERCIAL TELEVISION Figures in these columns represent the number of appearances of the "spot" during the week

November 15-21		London	Midland	North	Scotland	Wales	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.	W.&N.Wal
Alka-Seltzer		3	4	2	4		2	_	2	2	2	2	2	3	2	
Antussin		3	3	2	2	4	4	1	2	2	_	—		_	_	_
Askit powders and tablets		_		_	14	_		_				3	3			
Complan		3	3	3	—	_		_	_	_	_	_	_	_	_	
Cuticura preparations		2	2	2	2	2		2		2	_			3	_	_
Dentu-creme		1		1	1	1	3	—	1	1	2	_	_	—		
Dinneford's magnesia			1	_		_	_	_	—	_	_	_			_	_
Disprin			2	1	2	2	1	1	3	1	2	2	2	_	2	_
Euthymol tooth-paste	. ,	1	1	1	1	1		1	1	1		_	1	_		_
Fiery Jack ointment		_	_	3	_	_		_	_	_	_			_	_	_
Glovelies		_	3	_	_	_	_	_	_	_	_	_	_	_	_	
Imperial Leather soap		3	3	2	_	3	3	2	3	2	2	2				_
Loxcne shampoo		1	1	_	1	1	1	3	1	1	1	1	1	2	_	_
Moorland indigestion tablets				_	1	_	_	1	_				_	_	_	_
Nulon		1		1	1	1	1	1	2	1	1	2	1	_	2	
Procol				_	_	_	—	_			_			1		_
Rinstead pastilles		1	2	1	2	1	2	1	2	2	3	2	2		_	_
Setlers		1	1	1			2	—	_	_	1	_	_	_	_	_
Veno's cough mixture		1	3	3	1	1	2	1	1	1	1	2	2		1	
Woodward's gripe water		1		—	1	_	—				1	—	1	_	1	
Wright's coal tar soap	. ,	1	1	1	—	1	—	1	2	_	1	2	—			1

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," October 14 For all goods (5)

SUMITHION, 863,147, by Sumitomo Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan,

For sanitary pads and medicated pads (5) MEDI-PAD, 863,353, by Multi-Packs, Ltd., Surbiton Surrey.

For all goods (5)

TENSICOR, 863,842, by Biochemie, G.m.b.H., Kundl, Tyrol, Austria.

For medicinal pharmaceutical and veterinary preparations all in tablet form (5)

LENTABLET, 864,978, by N.V. Koninklijke Pharmaceutische Fabricken V/H Brocades-Stheeman & Pharmacia, Amsterdam, Holland. For infants' and invalids' foods (5)

SUNBIRD, 866,023, by Agricultural Marketing Corporation, Kingston, Jamaica.

For infants', invalids' and dietetic foods (5) MILIFOOD, 867,174, by Lanord, Ltd., London, E.C.2. For all goods (5)

CURIDIL, 867,984, by May & Baker, Ltd., Dagenham, Esscx.

For pharmaceutical preparations for veterinary purposes (5)

CONGASIN, 868,099, by Farbwerke Hoechst Aktiengesellschaft Vormals Meister Lucius & Bruning, Frankfurt-am-Main-Hoechst, many.

For pharmaceutical preparations and substances for human use and for veterinary use; sanitary substances and disinfectants (5)

NEOMEZ, 868,211, by Imperial Chemical Industries, Ltd., London, S.W.1,

For medicated creams (5)

VANISPOT, 868,212, by Arthur H. Cox & Co., Ltd., Brighton, Sussex

For pharmaceutical preparations and veterinary products (5)

NEHPROMA, 868,444, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For photographic apparatus and instruments and parts and fittings thereof (9)

Device with words ARRI, 863,788, by Arnold & Richter, K.G., Munich, Germany.

For photographic, cinematographic and optical apparatus and instruments and parts thereof (9) HALINA-RAPID, 865,617, by W. Haking Industries (Mechanics and Optics), Ltd., Hong

For photographic apparatus and instruments and parts and fittings therefor, films prepared for exhibition, photographic slide frames and photographic transparency holders (9)

FEDERAL, 865.810, by Magnafone Recorder Company, Ltd., London, N.10.

For scientific apparatus and instruments; photographic, cinematographic, optical, weighing and measuring apparatus and instruments (9)

MACROM, 866,298, by Macarthy's. Romford, Essex.

For photographic apparatus, cameras, and parts of all the aforesaid goods (9)

EDCO, 866,809, by Cowan De Groot, Ltd., London, N.1.

For gloves (10) and for gloves for domestic and household purposes, other than bottling gloves of indiarubber (21)

DESPOS-A-GLOVE, B860,471-72, by Ethicon, Inc., Bridgewater Township, New Jersey,

For non-medicated toilet paper; non-medicated facial tissues, serviettes and table covers, all of paper (16)

PIXIE, 858,191, by Bunzl Pulp and Paper, Ltd., London, E.C.1,

From the "Trade Marks Journal," October 21 For emulsifiers being chemical products used in industry (1)

HARTOLAN, 861,367, by Croda, Ltd., Snaith, Goole, Yorks.

For chemical products for use in industry and science; and chemical products for use in agri-culture and horticulture (1)

PURIFLOC, B861,679, by Dow Chemical Co., Midland, Michigan, U.S.A.

For hair tints, hair dyes and hair bleaches (3) MISS CLAIROL, 828,032, by Bristol-Myers Co., New York, U.S.A. For chemical substances for use as solvents in manufactures, and detergents for use in industrial and manufacturing processes (1)

DIVERPLUS, 864,573, by Diversey (U.K.), Ltd., London, W.1.

For detergents for use in industrial and manufacturing processes (1)

DIFRAN, 865,221, by Diversey (U.K.), Ltd., London, W.1.

For all goods, but not including scouring and abrasive preparations, face powder or bath pow-

SILK & SILVER, B828,033, by Bristol-Mycrs Co., New York, U.S.A.

For hair tints, hair dyes and hair bleaches (3) LADY CLAIROL. 829,456, by Bristol-Myers Co., New York, U.S.A.

For tanning preparations (being cosmetics or non-medicated toilet preparations) for the skin (3) AMBRESOIE, 834,850, by l'Oreal, Paris, France.

For all goods (3)

SELÉ, 853,092, by Colgate-Palmolive Co., New York, U.S.A.

For hair lotions, shampoos, and dyes for the

NEW DAWN, 855,421, by Alberto-Culver Co., Melrose Park, Illinois, U.S.A.

For detergents (not for use in industrial or

manufacturing processes) (3)
DANAPOL, 862,436, by Direct Detergents.
Sheffield, 8. DITRAN, 865,222, by Diversey (U.K.), Ltd., London, W.1.

For toilet soaps, perfumes, non-medicated toilet preparations, cosmetics, preparations for the hair and dentifrices (3)

VASCONCEL, 864,036, by Karina Helm, London. W.1.

For all goods, but not including cosmetics for the eyes, or any goods of the same description (3) ICE VELVET, 868,284, by Potter & Moore, Ltd., London, E.10,

For non-medicated toilet and cosmetic preparations, all for dental use (3) and for medicated preparations and substances all for dental use (5) EFFERDENT, 857,118-19, by Warner-Lambert Pharmaceutical Co., Morris Plains, New Jersey,

For all goods for export to and sale in Puerto Rico, but not including starch (3) and for pharmaceutical, veterinary and sanitary substances; disinfectants; preparations for killing weeds and destroying vermin; insecticides, larvicides and fungicides; and insecticide papers; all being goods for export to and sale in Puerto Rico; but not including mustard oil or preparations containing mustard or goods of the same description (5)

Device with word SHELL, 864,379-80, by Shell Co. (Puerto Rico), Ltd., London, S.E.1.

For deodorant preparations for personal use (5) SILVER ICE, B847,981, by Garter Products, Inc., New York, U.S.A.

For all goods (5)

U.S.A

STEDRIN, 857,622, by Richardson-Merrell, Inc., New York, U.S.A. TRIOTIC, 864,943 by Benger Laboratories Ltd., Holmes Chapel,

For pharmaceutical and veterinary preparations for the treatment of tracheal diseases (5)

TRACHEVAC, 863,265, by Pfizer, Ltd., Sandwich, Kent.

pharmaceutical and veterinary preparations for use in the treatment of ailments of the chest and throat (5)

LARYNVAC, 863,611, by Pfizer, Ltd., Sandwich, Kent,

For pharmaceutical preparations for human and veterinary use, sanitary substances, medical and surgical plasters, material prepared for bandaging, disinfectants and antiseptics (5)

TELFRION, 864,290, by J. R. Geigy, S.A., Basle, Switzerland,

For pharmaceutical preparations and substances, containing theophylline (5)

ANAPHYLLINE, 864,637, by Stafford-Miller, Ltd., Hatfield, Herts.

For pharmaceutical preparations and substances (5) EUPROXIN, 865,139, by Sterwin, A.G., Zug.

For surgical stockings (10)

YALCS SPRINGTIME, 863,113, by Lenton Products, Ltd., Lenton, Nottingham, For all goods (10)

TRIOTIC, 864,944, by Benger Laboratories, Ltd., Holmes Chapel, Ches,

For medicated eye solutions (5)

CONJUNCTIN, CONJUNCTILONE, 864,797-98, by Allergan Pharmaceuticals, Inc., Santa Ana, California, U.S.A.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," October 14

Treatment of synthetic products for them antibacterial and antimycotic, CIBA, Ltd. 976,528,

Sulphonamides, Sandoz, Ltd. 976,532.

Barbituric acid derivatives and methods of preparing same, Aspro-Nicholas, Ltd. 976,551.

Preparation of azoamides. Whiffen & Sons, Ltd. 976 552

Amphoteric ion exchange resins. Farbenfabriken Bayer, A.G. 976,566-7-8 and 976,570.

Process for the preparation of diesters of ndihydroxy-phosphinylethyl ethyleneimine. Far-benfabriken Bayer, A.G. 976,569.

British patent specifications relating to the above will be obtainable (price 4s. 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lanc, London, W.C.2, from November 25.

From the "Official Journal (Patents)," October 21

Preparation of 1:2-diphenyl-4-alkyl-3:5-dioxopyrazolidine, Biorex Laboratorics, Ltd. 976,593. γ, γ, γ -trialkoxycarbonyl substituted alkanes. Biorex Laboratorics, Ltd. 976.594.

Arylation of aromatic compaunds, Monsanto Chemicals, Ltd. 976,611.

Nipples for nursing bottles. W. J. Straub. 976.612.

Process for preparing esters, National Distillers and Chemical Corporation, 976.613.

Compress for therapeutic use, M. Vilain, 976,630. Apparatus for the preparation of surgical gloves for use, H. Dennhofer, 976,662.

Stabilised polyoxymethylenes and a process for preparing same, Farbwerke Hoechst, A.G. 976,702.

Process for the manufacture of ferrimycin, CIBA, Ltd. 976,704.

Sharpening of shaving razors, C. Mcrmillod. 976.706.

Derivatives of herapin and processes for their preparation. Roussel-Uclaf, 976,719,

Saccharic acid. CIBA, Ltd. 976,725.

Oxasteroid compounds and processes for their preparation, Roussel-Uelaf, 976,726,

Estradiol derivatives, processes for their paration and pharmaceutical compositions incorporating same, Roussel-Uclaf, 976,727. Steroid compounds and their prepara

and their preparation. Roussel-Uclaf, 976,728,

Pesticidal compositions containing dithio amino alkanes Takeda Chemical Industries, Ltd. 976.729.

Dithio ammo alkanes, Takeda Chemical Industries, Ltd. 976,730.

Diuretic compositions comprising 2,21-alkylenebisbenzimidazole derivatives. Upjohn Co. 976,732. Process for producing naphthalene, Sun Oil Co. 976.736.

British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from December 2.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals. ACETYLCYSTEINE, A mucolytic agent, J. Amer.

med. Ass., October 12. potential

TRIHALOGENOMETHYL compounds of potenti therapeutic interest, J. Chem. Soc., October.

RESTRAINT AND ANÆSTHESIA of some captive wild manimals. Vet. Rec., October 31. CAPREOMYCIN: Activity against experimental in-

fection with Mycobacterium leprae. Science, October 16. ACTINOMYCIN C. Effect of, on immune responses

in vivo, Nature, October 31. DENTIFRICE FLUORIDE, Distribution and excre-

tion of, Nature, October 31. MAGNESIA. The flow properties of, J. Pharm.

Pharmacol., November. GENOTROPIC AGENTS: steroid basic ethers. J. Pharm. Pharmacol., November.



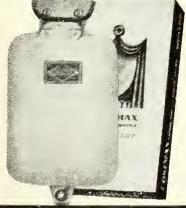
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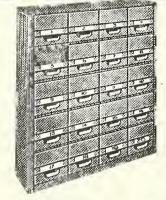
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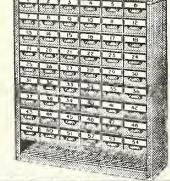
Overall cabinet size: 42" high, 35" wide, 12" deep. Stove enamelled dark green. £14.15.0



54 DRAWER UNIT

Overall size: 42" high x 35" wide x 12" deep. 54 drawers, each 5\frac{1}{4}" x 3" x $10\frac{7}{8}$ ", complete with one divider, white card and transparent protective shield per £18.0.0

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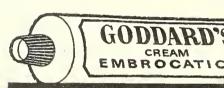
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BIRMINGHAM ACCIDENT HOSPITAL AND REHABILITATION CENTRE, BATH ROW, BIRMINGHAM, 15

Pharmacist

(Basic Grade), £761—£1,019 per annum, for interesting work in a well equipped Pharmacy. Applications, giving full details and naming two referees, to Administrator, C 9603

CAMBERWELL HOSPITALS MANAGEMENT COMMITTEE

Chief Pharmacist, Category I

Applications invited for the above post at St. Francis' Hospital, Constance Road, S.E.22. Salary £898 x 8 increments to £1,233 p.a. plus London Weighting Allowance, Apply Group Secretary, Dulwich Hospital, East Dulwich Grove, S.E.22. Locum considered. C 9626

CANADIAN RED CROSS MEMORIAL HOSPITAL, TAPLOW, Nr. MAIDENHEAD

Dispensing Assistant
required. Whitley salary, Applications would
be considered from persons wishing to work
part-time only, Applications stating age and
experience with two referees to Secretary,
C 9628

CELL BARNES HOSPITAL, ST. ALBANS

Dispensing Assistant

Qualified, in sole charge, required at this Modern Hospital for Sub-Normal Patients. Salary Scale £528 to £703 per annum, 39-hour working week, Three weeks' annual leave per year.

Applications to the Acting Medical Superintendent, Cell Barnes Hospital, St. Albans. C 6454

DERBY No. 2 HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the following

Chief Pharmacist

Chief Pharmacist

Group basis, Whole-time, part-time considered, Category II, Salary £987 rising to £1,323 per annum.

The successful applicant will be responsible for organising and maintaining this service throughout hospitals in the Group and will be based at Babington Hospital, Belper, Derby (part-time appointment at Derwent Hospital, Mansfield Road, Derby).

Applications stating age, qualifications and full details of experience, together with the names of two referees to be forwarded to the Group Secretary, Derby No. 2 Hospital Management Committee, Babington Hospital, Belper, as soon as possible. C 9636

GATESHEAD AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

Applications are invited from suitably qualified and experienced persons for the above post. The successful applicant will be required to work within the Gateshead Group of hospitals.

hospitals.
Pharmaceutical Whitley Council "C" salary and conditions of service apply.
Applications stating age, previous experience, etc., should be sent together with the names and addresses of two referees to the undersigned.
H, Clark, Group Secretary, "The Lodge," Queen Elizabeth Hospital, Sheriff Hill, Gateshead, 9, Co, Durham. C 6302

DREADNOUGHT SEAMEN'S HOSPITAL, GREENWICH, S.E.10

Pharmacist

required. Two in department, Alternate Saturdays, Salary £761—£1,019 plus London Weighting; also £2 15s, 4d, per week for two late sessions, Resident accommodation available if required. Please apply to House Governor, C 9637

HOSPITAL MANAGEMENT COMMITTEE No. 9, WAKEFIELD "A" GROUP

Locum Pharmacist

required for duties in the Group Pharmacy, Clayton Hospital, Wakefield Hours by arrangement.

Part-time Pharmacist
also required. One to six sessions weekly, by

arrangement.

Salaries and conditions of service in accordance with Whitley Council Agreements.

Apply to the Group Secretary, 113 Northgate, Wakefield.

C 9629

MAIDENHEAD HOSPITAL

Chief Pharmacist (Category II)

required Maidenhead Hospital, in charge of required Maidenhead Hospital, in charge of department with one assistant. Post vacant 1st February, Salary £987 rising to £1,323 per annum. Possibility of accommodation being available for female, Applications stating age, qualifications, experience and names of two referees to Secretary, Windsor H.M.C., Kipling Memorial Buildings, Alma Road, Windsor, by 13th November. C 9608

NEWMARKET GENERAL HOSPITAL

Dispensing Assistant

required in modern Group Pharmacy, Ideal working conditions, alternate long weekends. Applications giving age, experience and name of two referees to the Group Pharmacist.

C 9633

NOTLEY HOSPITAL, BRAINTREE, ESSEX

Dispensing Assistant

Applications are invited for Dispensing Assis-Applications are invited for Dispensing Assistant. Permanent and pensionable appointment. Salary and conditions according to Whitley Council Scales. Previous hospital experience, Certificates of the Society of Apothecarics, R.A.M.C., R.A.F., or equivalent qualification taken into account for commencing salary. Interesting post, covering wide sphere of activity. Good residential accommodation available if required. Applications giving age, present and previous experience with names and addresses of two referees to Hospital Secretary immediately from whom further details may be obtained.

Appointments—Continued

MEDWAY AND GRAVESEND HOSPITAL MANAGEMENT COMMITTEE, ALL SAINTS' HOSPITAL, CHATHAM, KENT

Deputy Chief Pharmacist (Category 1V)

required at the above hospital, which also serves a sub-group of four other hospitals. Salary £898—£1,223 p.a.

The Pharmaccutical Department will be transferred in due course to the Medway Hospital, Gillingham, which is being developed as the main district hospital for the area, Further details of the appointment may be obtained from the Chief Pharmacist at All Saints' Hospital,
Applications should be addressed to the Hospital Secretary stating age, qualifications, experience and names of two referees,

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, MILL LANE, WALLASEY

Senior Pharmacist

Applications are invited for the appointment of Senior Pharmacist, vacant from 1st Janu-

of Senior Pharmacist, vacant from 1st January, 1965.
Salary £851 by increments to £1,113, and conditions of service are in accordance with Pharmaceutical Whitley Council Committee "C." Applications stating age, previous experience and names and addresses of two referees to Group Secretary. C 9597

OAKWOOD HOSPITAL, MAIDSTONE, KENT

Senior Pharmacist

A Senior Pharmacist, full or part-time, is required immediately at this large, progressive Psychiatric Hospital. The working conditions are exceptionally pleasant in a new department which may be inspected by arrangement with the Chief Pharmacist. Whitley Council salary scale and conditions of service apply.

Applications stating age, qualifications and experience, together with the names of two referees, should be forwarded to the Physician Superintendent forthwith.

C 9623

PADDINGTON GENERAL HOSPITAL, HARROW ROAD, W.9

Locum Pharmacist

required for indefinite period, Apply immediately to the Hospital Secretary. C 666

ROYAL FREE HOSPITAL

Pharmacist

Applications are invited for the post of Pharmacist at the above Hospital, Whitley Council salary scale with extra pay for evening clinics, Apply naming two referees to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 679

SHENLEY HOSPITAL Nr. ST. ALBANS, HERTS

Dispensing Assistant

required, preferably certificated, or with dispensing experience. Salary range £237 rising to £678 per annum according to age and experience, plus London Weighting Allowance of £15 to £40 per annum. Single accommodation available for the successful applicant if required. Applications stating age, experience and names of two referees to Group Secretary, Shenley Hospital, as early as possible.

C 9620

EDUCATIONAL

SUNDERLAND EDUCATION AUTHORITY

SUNDERLAND TECHNICAL COLLEGE SCHOOL OF PHARMACY

Applications are invited for appointment as:

Senior Lecturer in General Pharmaceutics Senior Lecturer in Pharmaceutical Engineering Senior Lecturer in Post-graduate Studies.

on the Burnham Technical Scale - £1,895-£2,115.

The Senior Lecturer in Pharmaceutical Engineering must hold a qualification in Chemical Engineering.

The successful candidates will be required to teach to the standard of the final Bachelor of Pharmacy Examination of the University of London and will be encouraged to undertake research work.

The Senior Lecturer in Post-graduate Studies will be required to organise post-graduate course in Pharmaceutical subjects.

The Education Authority is prepared to help successful candidates with removal expenses, house purchase and temporary lodging allowance.

Further particulars and forms of application may be obtained from the Registrar, Technical College, Sunderland. Completed applications should be returned to the Director of Education, 15 John Street, Sunderland, Co. Durham, to reach him by 16th November, 1964.

full-time

SHREWSBURY HOSPITAL GROUP, ROYAL SALOP INFIRMARY

Dispensing Assistant

(with Apothecaries' Hall Certificate) required at the above hospital, with sessional duties at other hospitals in the Group. Applications to the Group Secretary, Cop-thorne Hospital, Shrewsbury. C 9635

WINWICK AND NEWCHURCH HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the post of

Senior Pharmacist

in the Group Pharmaceutical Department at Winwick Hospital, near Warrington, Salary £851 rising by annual increments to £1,113. £1,113.

Applications giving date of birth, full particulars regarding qualifications and experience together with names and addresses of two referees, should be forwarded to the Medical Superintendent, Winwick Hospital, Warrington, as soon as possible. (Ref. CD/469.)

YORK "A" HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

required for duties at the County Hospital,

required for duties at the County Hospital, York, in Group Pharmaccutical Service, Salary scale £761 x £32 (1) x £31 (1) x £37 (3) x £42 (2) to £1,019 p.a.

Full details of this appointment ean be obtained from the Group Chief Pharmacist at the City Hospital, York, Applications stating age, qualifications, experience and names of two referees to Group Secretary, Bootham Park, York,

ST. GILES' HOSPITAL, ST. GILES' ROAD, CAMBERWELL, S.E.5

Locum Pharmacist
part-time or sessional required

immediately Apply: Chief Pharmaeist (RODney 4221), C 9624

ST. GILES' HOSPITAL, CAMBERWELL, S.E.5

CAMBERWELL, See Senior Pharmacist

Applications invited for the above post. Salary scale £896—£1,168 p.a. Part-time or sessional considered.

Further details from or applications to Chief Pharmacist. C 9627

INDUSTRY

A.B.P.I. TECHNICAL **OFFICER**

A male pharmacist, under 40, is required by the Association of the British Pharmaceutical Industry, as Technical Officer for advisory services and committee work, Experience in the industry and/or hospital pharmacy an advantage, but not essential. Progressive salary, with good opportunities for advancement,

Contributory pension scheme.

Applications in confidence to:

The Director. A.B.P.I., 195 Knightsbridge, London, S.W.7

C 6404

SITUATIONS VACANT RETAIL (HOME)

A FIRST-CLASS opportunity may soon occur for a capable and experienced pharmaeist with personality and good business acumen to open and manage superior pharmacy on Sussex coast, Modern Maisonette available, Write fully, please, with details of age and experience, to: S, C, Ellis, Messrs, Ford, Bull, Ellis and Sales, 1 Verulam Buildings, Gray's Inn, W.C.1. C 6463

BRANCH MANAGER PHARMACIST

Branch Manager or Manageress Pharmacist required for Pharmacy Section of new Store opening shortly on the South Coast, Excellent remuneration, permanent superannuated position.

Applications in writing giving age, details of experience, etc., to the Personnel Manager, P.I.M.C.S., Ltd., Fratton Road, Portsmouth. C 692

EARLESTOWN, nr. Liverpool, Manager required for medium-sized pharmacy. Salary £1,250 p.a. plus free living accommodation above shop. Position suitable for newly qualified or hospital-trained pharmacist, Apply to Box C 6438.

LIVERPOOL. Manager required for small suburban pharmacy, position suitable for newly qualified or hospital-trained pharmacist. Salary £25 per week, Apply to Box C 6439.

LONDON, N.W.9. Lady assistant required for dispensing and counter in recently modernised family business. Pleasant working conditions. Full-time preferred but partitime considered. Apply: T. B. Robinson (Chemist) Ltd., 278 Church Lane, Kingsbury, N.W.9. Tel.: COLindale 6729. C 6449

QUALIFIED CHEMIST required, Meopham, Kent, area, to open pharmacy within an existing business, Complete control of dispensing. Directorship or partnership offered to suitable applicant, Write Box C 6465,

STAMFORD. Manager or manageress required for our branch pharmacy, Salary to commence £1,400 per annum, Four weeks' holiday, Superannuation and sickness benefits, An attractive flat available at a reasonable rent, Interview by appointment at our expense, Apply Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough.

WISBECH, Manager or manageress required for our attractive new branch, Salary to commence £1,400 per annum. Superannuation and sickness benefits, No rotas, Interview by appointment at our expense, Apply Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 6461

YORK Co-operative Chemists' Society Limited have vacancy for manager or manageress for small branch on new estate. Separate flat available, Saturday half-day. Salary £1,217 per annum. Apply to Superintendent Chemist, York Co-operative Chemists' Society, Ltd., 22 Railway Street, York. Tel.: 22052.

WHOLESALE

ASSISTANT CHEMIST required for laboratory and plant work on interesting problems in the development of aromatic synthetics for the perfumery industry. Minimum qualifications G.C.E, "A" level in three subjects. Permanent, pensionable position, pleasant environment, bonus scheme operating, Apply Personnel Manager, Givaudan & Co., Ltd., Whytelcafe, Surrey, C 6432

Whytelcate, Surrey.

MESSRS, BRITTON, MALCOLM & CO., LTD., 38 Southwark Bridge Road, London, S.E.I, invite written applications from salesmen to represent them in an attractive London and Home Counties District. The vacancy will occur shortly and the prospects are good for the right man with experience of pharmacy, Remuncration on salary, expenses and commission basis. Car driver with clean licence essential but Company ear available if necessary.

C 6468

FISONS GROUP OF COMPANIES

Applications are invited for the post of Chief Chemist of Dacca Pharmaceuticals (Fison Marker) Ltd., associate of the Fisons Group of Companies at Dacca in East Pakistan.

It is expected that the successful applicant will be between 30-40 years old holding a qualification of Bachelor of Pharmacy or diploma of the Pharmaceutical Society. He would have had at least five years' manufacturing experience.

He would be responsible to the Managing Director of the Company for all production, with particular reference to quality control and development, together with the initiation of training schemes for junior technical staff.

The initial contract would be for two years inclusive of three months paid home leave. Free accommodation and a car would be provided.

Salary and other conditions of service offer exceptional prospects.

C 6467

A well-known pharmaceutical com-

pany require a

PHARMACIST (male)

Age 25-35 to assist and deputise for the Chief Chemist in his absence. This is a senior appointment in an attractive go-ahead Company, and will appeal to a pharmacist. Apply stating experience and salary required to Personnel Manager, Box 0155, c/o Rusby & Gould, Ltd., 22 Charing Cross Road, London, W.C.2, C 9638

A CAREER OPPORTUNITY

(TRAINEE SALESMAN—

SOUTH OF ENGLAND)

JOHNSON & JOHNSON (Gt. Britain), LTD., invite applications from young men who seek a salesmerchandising career with a company of international fame. The appointment covers the South of England, and considerable travel is involved.

QUALIFICATIONS:

Age ... 22-27. Living in or near London. Driving licence holder.

This opportunity will appeal to career-minded men, of above average intelligence, who have an ability for clear self-expression.

We offer:

A good salary.
Company car,
Adequate expenses.
A good training,
Opportunities for promotion on
merit

Please write (IN CONFIDENCE), giving details of age, education, and business career, to:—

General Sales Manager, Johnson & Johnson (G.B.), Ltd.,

> 260 Bath Road, Slough, Bucks.

C 9631

BRADLEY & BLISS LIMITED

Wholesale Chemists,

Croydon

Have the following vacancies:

SUPERVISOR—To take charge of proprietaries assembly department.

ASSISTANT SUPERVISOR — For above department.

SENIOR PRICING CLERK/SUPER-VISOR—To take charge of invoicing department,

PRICING CLERKS — Senior and Junior (male or female) for invoice department.

Good experience either in wholesale or retail would qualify for these positions.

Pleasant working conditions, canteen and pension scheme in operation.

Apply: The Manager, Bradley & Bliss Limited, Waddon Marsh Way, Croydon, Surrey,

Tel.: MUNIcipal 2500.

C 6459

CALMIC

As a result of continued expansion we are interested in receiving applications for positions as

MEDICAL REPRESENTATIVES

for territories to be created in various parts of the country.

Applicants should have a good education and hold a Pharmaceutical qualification or have a background in Medicine or Pharmacy.

Starting salary commensurate with experience, etc., Pension and Free Life Assurance Scheme in operation. Full training will be given and a car is provided.

Full details to:

Personnet Manager, Calmic Limited, Crewe Hall, Crewe

C 9613

Situations Vacant—Continued

OVERSEAS

PHARMACIST, registered in Great Britain (male or female) required to manage store at Suva, Fiji, Urgently required, Salary £120 month, contract for two or three years with return fare paid on completion of contract. Rerired person may suit, Apply Box C 6469.

AGENTS

FREELANCE AGENTS REQUIRED, Manu-FREELANCE AGENTS REQUIRED, Manufacturers and distributors of first-class products in the toiletry field seek representation in all parts of England and Wales. This line includes a new Hair Spray, Cream Shampoo with new formula and presentation. Skin Cream, etc. Men with experience and connections with Departmental Stores and Chemists are invited to apply for this first-class agency on a commission basis, These products are backed with national and trade advertising. Apply Dermosa Beauty Products, Ltd., 8 Radnor House, 93/95 Regent Street, London, W.I. Telephone Regent C 6445

REPUBLIC OF IRELAND. First-class agents calling on chemists and/or stores required for all areas to introduce baby product, easy to sell and with highest commission. Box C 6457.

SUNGLASSES. Agents required to sell established range of modern fashion sunglasses in medium/good quality to chemists. All sales aids available, State area eovered, experience, age, trades ealled on, other lines earried, own transport means, etc. Box

SWISS BEAUTY PRODUCTS manufacturer SWISS BEAUTY PRODUCTS manufacture, wishes to appoint Republic of Ireland distributors as soon as possible. Please submit offers to Case Postale 41, Montreux, Switchest C 691

WANTED

KALIX DUPUY tube and jar filling machine required. Box C 6458.

REQUIRED IMMEDIATELY, 21 feet of wall fixtures in good condition, B. Hellawell (Chemist), Ltd., 81 Turner Avenue, Illingworth, Halifax 64432.

WANTED: Surplus cameras, enlargers, WANTED: Surplus cameras, enlargers, eine cameras and projectors, photographic equipment of every description, Surplus and outdated film and paper, large or small quantities, Phone, write or call: Spears (Dept. CD), back Watling Street, Shudehill, Manchester, 4. Telephone: BLAckfriars 9432 (5 lines), Bankers: Midland Bank, Ltd. C 613

PURCHASE surplus and stocks of every description especially packing material. Spot cash settlement. Reliance Trading Company, 23-25 Charles Lane, St. John's Wood, London, N.W.8. Tel.: JUNiper 0701.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large, Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8.

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£590 CASH EVERY 5 YEARS for those unexpected bills. The Quinlife plan provides just this with immediate Life Assurance cover at the same time. Write today for full details. Medical Insurance Scrvices Limited, 131 New London Road, Chelmsford Essay. C 9567 Limited, 13 ford, Essex.

BUY YOUR OWN EQUITY SHARE PORTFOLIO and completely protect your investment in the event of death or continued illness, Repayments attract maximum income tax relief, Write today for lull details, Medical Insurance Services Ltd., 131 New London Road, Chelmsford, Essex, C 9568 YOUR OWN EQUITY

Important Company

with rapidly expanding marketing interests in United Kingdom and Europe (proprietary medicinal and toilet products) is looking for interesting diversification operations in the household and personal care consumer goods markets.

Adequate finance, manufacturing and marketing facilities available for products which, by reason of superior performance or consumer convenience, offer opportunities to assume National brand leadership.

If you have interesting new products offering scope for development through food and drug outlets please write New Product Director, Box C 9625.

ARNOLD PRECISION SCALES, For good quality Dispensing and Drug Scales, Ratio Tablet Counting Balances, ctc. May we send you illustrated literature? Holmethorpe Works, Frenches Road Redhill, Surrey. Rcdhill 4301.

MANLY MAN'S BELT. Nationally advertised "obtainable from chemists," 39/6. Full trade terms, Order by waist measurement from Manly Co., Manor House, Worcester Park, Surrey, DERwent 3877. C 635

MANUFACTURING available for medicinal, toilet or household products. Bulk or packed. Large or small quantities, Qualified

READE BROTHERS & CO., LTD., Sharrock Street, Wolverhampton

SOLVENTS, Recovery or disposal service offered throughout the U.K. Most types of inflammable Solvents and by-products. Alexander Cole Ltd., 114 Cranbrook Road, Ilford, Essex.

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THE TRADE MARKS set out below were assigned on 16th September, 1964, by Ulter (Bradford) Limited, of 12 Bank Street, Wibsey, Bradford, to Cussons Sons & Company Limited, of Kersal Valc Works, Moor Lane, Kersal, Manchester, 7, WITHOUT THE GOODWILL OF THE BUSINESS IN WHICH THEY WERE THEN IN USE, Regd. Regd.

No. Mark Goods
385415 FASCINATION Perfumery (including toiled articles, preparations for the teeth and hair, and per-fumed soap.
All goods in-eluded in Class 3. C 9617

B815321 RENOIR

MACHINERY WANTED

TABLETING PRESS required for producing 2½-inch diameter blocks. Manesty No. 3A or 35T preferred, other makes considered. Johnson Brothers, Ltd., 390-396 Clonard Road, Kimmage, Dublin, 12. C 9605 WORSSAM rotary tablet machines, Apply Compressed Tablets, Ltd., 1 Tower Chambers, Hoe St. Bridge, London, E.17. C 6450

FOR SALE

STANDARD SACCHARIN TAB-LETS, Packets of 100 — 3s, doz. Drums of 500—12s, per doz. Drums of 1,000—22s, per dozen, Enquiries invited for packed Aspirin and Paracetamol Tablets. Tell Products, Ltd., Welbeck Works, London, N.W.10

C 683

FINANCE

100% MORTGAGES AVAILABLE for professional men to £7,000. Other mortgages to £20,000. No brokers' fees. Petersfield & Co., Finance, 66 Harewood Avenue, Bournemouth.

MISCELLANEOUS

COHAR FOR CARPETS offer 15%—20% saving, all leading makes, carriage free U.K. Huge saving on Venetian Blinds, Sewing Machines, Typewriters, Parquet Tiles, Furniture, Washing Machines, Refrigerators, Lawn Mowers and Power Tools, Furs 15%. Showrooms at London, Leicester, Sheffield, Bradford, Leeds, Hull, Middlesbrough, Manchester, Newcastle, Bristol, Hadleigh (S.), Liverpool, Cardiff, Swansea, Aberdeen, Edinburgh, Cambridge, Plymouth, Birmingham, Preston, Blackpool and Belfast, Write—Cohar Distributors, 47 Oswald Street, Glasgow, C.1, Or phone: Glasgow CENtral 8325. Birmingham MIDland 8333, London CHAncery 2345, Manchester CENtral 2321. COHAR FOR CARPETS offer 15%-20%

PLASTIC BABY PANTS
Large Size, White, Pink and Blue
Rose scented and lanolin impregnated.
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SPECIAL QUOTATIONS FOR
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C 6369

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a matter of prideor profitability?

Many firms have produced their own galenicals for *years*. First-class galenicals, too, but today's increasing overheads and competition demand that the pertinent question above be asked and answered.

Getting a check price from RANSOMS could be very revealing . . .

Ransom's entire business is geared to the cultivation of medicinal plants, the production of drugs and galenicals and the processing of finished products. The number and quantity of galenicals produced for customers all over the world continually increase. As a result, the prices at which Ransoms can sell are often less than their customers' own cost of do-it-yourself production. At the same time, Ransoms enable customer-companies to free valuable space for additional, more profitable operations. These considerations can be not only revealing, but conclusive. And Ransoms are an entirely self-contained family business, unconnected with any other firm in the industry.

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